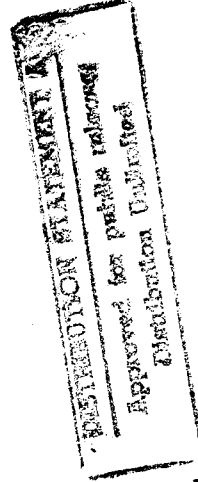
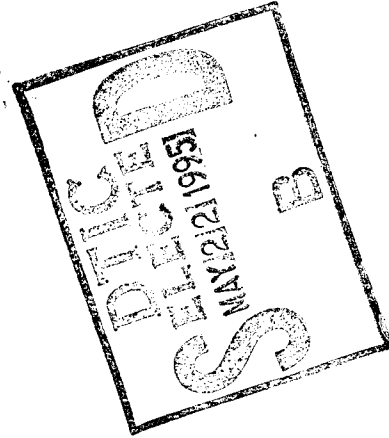


UNITED STATES SPECIAL OPERATIONS COMMAND



FISCAL YEAR 1996-1997 BIENNIAL BUDGET ESTIMATES

PROCUREMENT, DEFENSEWIDE



FEBRUARY 1995

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UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FY 1996-1997 PRESIDENT'S BUDGET SUBMISSION

Table of Contents

Table of Contents	i
Procurement Program Executive Summary	1
Procurement Program (P-1)	11
Modification Summary (P-1M)	13
Procurement Program Installation Summary (P-1N)	17
Spare and Repair Parts Appropriation Summary (P-1S)	19

Procurement Line Item Documentation

Aviation Procurement Lines

Radio Frequency Mobile Electronic Test Set (RFMETS)	21
Rotary Wing Upgrades and Sustainment	25
SOF Training Systems	33
MC-130H Combat Talon II	37
AC-130U Gunship Acquisition	39
C-130 Modifications	43
C-130 Modifications Advance Procurement	79
OH-6 Procurement and Modifications	81
Aircraft Support	85

See ADA 276699

Distribution	
Availability Codes	
Availability	
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A-1	

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UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FY 1996-1997 PRESIDENT'S BUDGET SUBMISSION

Table of Contents (Continued)

Shipbuilding Procurement Lines

Advanced SEAL Delivery System Advance Procurement	95
MK 8 MOD 1 SEAL Delivery Vehicle (SDV)	97
Submarine Conversion	103
Submarine Conversion Advance Procurement	105
MK V Special Operations Craft	107

Ammunition Procurement Lines

SOF Ordnance Acquisition	115
SOF Platform Gun Ammunition	129
SOF Ordnance Replenishment	135

Other Procurement Lines

Maritime Equipment Modifications	145
Spares and Repair Parts	173
Communications Equipment and Electronics	177
SOF Intelligence Systems	197
SOF Small Arms and Support Equipment	209
SOF Maritime Equipment	219
Miscellaneous Equipment	225
SOF Planning and Rehearsal System	231
Operational Force Enhancements	235
PSYOP Equipment	237

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

Special Operations Forces

<u>\$ in Millions</u>	
FY 1997 Estimate	575.265
FY 1996 Estimate	581.605
FY 1995 Actual	532.225
FY 1994 Actual	462.977

PART I. PURPOSE AND SCOPE

USSOCOM is a unified command with worldwide responsibilities to train, equip and maintain Special Operations Forces (SOF) in a ready state in support of the contingency plans developed by the five regionally oriented unified commands (USEUCOM, USCENCOM, USPACOM, USACOM, and USSOUTHCOM). When directed by the President, USCINCSOC will assume command of a special operation anywhere in the world. USSOCOM's Army component forces include special forces (Green Berets), Rangers, short to medium range infiltration/exfiltration aircraft, civil affairs specialists, and psychological operations specialists. Navy component forces consist of Sea, Air, & Land (SEAL) Teams and special boat units. The Air Force component forces consist of special operation units which provide medium to long range air infiltration/exfiltration aircraft, specially equipped gunships, and aerial refueling capability. USSOCOM is the only operational command directly responsible for determining its own force structure requirement, determining the related materiel requirements, procuring the SOF unique equipment, training, and deploying its own units.

PART II. JUSTIFICATION OF FUNDS REQUESTED

Aviation Programs

1. **Radio Frequency Mobile Electronic Test Set (RFMETS)** (FY 1996 - \$29.801 Million; FY 1997 - \$35.888 Million) Funds provide development of Shop Replaceable Units (SRUs) Test Program Sets (TPSs) for the organic depot-level repair capability of AC-130U line replaceable units (LRUs). Funds will also be used for the organic depot-level repair capability of MC-130H APQ-170 radar LRUs. RFMETS is a three part program to provide a SOF-common, mobile, intermediate-level tester for critical avionics of the AC-130H, AC-130U, and MC-130H aircraft. First, the program procures 20 off-the-shelf test sets for SOF maintenance units. Second, the program develops TPSs and ancillary equipment for all LRUs in the avionics systems supported by RFMETS. Third, this funding line contains monies for organic depot startup for the three largest systems supported: the MC-130H AP-170 radar, the AC-130U All Light Level Television, and the AC-130U AP-180 radar. RFMETS has been an Air Force BP-12 funded program through FY 1994, and transitioned to MFP-11 funding in FY 1995 for the final TPS depot development.

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

2. Rotary Wing Upgrades and Sustainment (FY 1996 - \$9.042 Million; FY 1997 - \$4.939 Million) Funds provide for digital terrain module memory upgrade for compressed Defense Mapping Agency data, ARC-210/Demand Assigned Multiple Access modem integration per JCS directive for standardization, Airborne Target Handover System upgrade for standardization across aircraft fleets, Night Vision Head Up Display standardization and aircraft integration, and ALQ-136/162 aircraft survivability equipment amplifier upgrade for the MH-47E/MH-60K. Provides for an engineering change of the MH-53J ALQ-162 Infrared Jammer and for flightline reprogramming via the aircraft's 1553 databus to ensure rapid response required for changing threat situations. Lack of a rapid reprogramming capability causes reduced mission capability due to extended reprogramming response time. Improperly programmed ALQ-162 system could cause loss of aircrew or delayed deployment of aircraft to specific hostile mission areas. Finally, provides funds to acquire and install 230 MH-60G external fuel tanks for air refueling. Acquires two Portable Engine Analysis Test Sets (PEATS) and funds AAQ-16 Forward Looking Infrared (FLIR) Interim Contractor Support, both for the MH-60G. External fuel tanks provide for extended range to improve aircraft's operational effectiveness and meet mission taskings. The PEATS provides rapid analysis of engine problems for reduced maintenance downtime.
3. SOF Training Systems (FY 1996 - \$26.818 Million; FY 1997 - \$13.434 Million) Funds provide procurement of ground-based trainers to support initial training. Provides funds for Data Base Generating Equipment required for building and maintaining real-world training and mission rehearsal scenarios. Procures Gunship Aircrew/Maintenance Training System (GA/MTS) Battle Management Center, C-130 Air Refueling Part Task Trainer, and GA/MTS front end Flight Station Trainer.
4. MC-130H Combat Talon II (FY 1996 - \$12.134 Million; FY 1997 - \$4.993 Million) Funds provide for interim contractor support, technical studies and analysis, and aircraft source data. Includes support site activation at Kadena Air Base, Japan. Interim Contractor Support (ICS) will provide maintenance support until full intermediate and depot organic maintenance capability is achieved.
5. AC-130U Gunship Acquisition (FY 1996 - \$57.165 Million; FY 1997 - \$40.362 Million) Funds provide interim contractor support (ICS) of contractor furnished avionics (e.g. APQ-180 Strike Radar, All Light Level Television etc.) and ICS for mission software (e.g., Operational Flight Program, Controls and Displays Program etc.). ICS will provide the capability to maintain the aircraft avionics and software until the entire weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Further resources are provided for the modification of technical orders (TOs) to job guide format which will provide commonality with TOs of other SOF maintained systems, bringing them into compliance with MIL-M-83495A print and maintain technical orders and acquire procurement data; acquisition of Intermediate Level Support Equipment to further reduce out-year ICS costs by moving toward an organic capability; repair and management of Government Furnished Equipment correction of deficiencies identified as out of scope Service Reports identified during operational training.

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

6. C-130 Modifications (FY 1996 - \$110.417 Million; FY 1997 - \$104.654 Million) Funds complete Lifeline procurement for the MC-130H, AC-130U, and AC-130H aircraft; procures the final seven ALQ-172 Pave Mint Low Band Jammer systems for AC-130H aircraft; procures Directional Infrared Countermeasure Systems (DIRCM); and integrates field-of-view AAQ-17 Forward Looking Infrared Systems on the AC-130H aircraft; installs and integrates the following Air Force communications initiatives into the MC-130H aircraft: Single Channel Ground-to-Air Radio System, Narrow Band Satellite Communications, and Automatic Communications Processor; installs center wing boxes on MC-130E, HC-130P/N, and AC-130H aircraft. Also funds various AC-130 and MC-130 efforts such as AC-130U and MC-130H auxiliary power unit upgrades, AC-130U Service Report actions, MC-130 Underbelly Protection Program, and AAQ-17 FLIR for AC-130U.
7. C-130 Modifications Advance Procurement C-130 Modifications Advance Procurement is a new line item. C-130 Modifications Advance Procurement contains FY 1995 funds for DIRCM.
8. OH-6 Procurement and Modifications (FY 1997 - \$8.396 Million) Funds procure and modify five McDonnell-Douglas Helicopter Company aircraft for special operations use. These aircraft will replace the current obsolete fleet of 13 OH-6C and 11 A/MH-6J aircraft which are approaching their 15-year service life. Delivery of these new aircraft will ensure a standard aircraft across the H-6J fleet, commonality between training and mission aircraft, parts authorized stockage, and prescribed load list.
8. Aircraft Support (FY 1996 - \$5.946 Million; FY 1997 - \$11.593 Million) Funds provide for the procurement of ring laser gyros for the MC-130H and MC-130E aircraft. FY 1996 funds will also procure Weapon System Trainer and Mission Rehearsal Device spares. Funds also provide for interim contractor support for aircraft modifications only until other methods (i.e., establishment of a depot, transition to organic, etc.) are made available. Funds C-141B Special Operations Low Level II and ASD-5 replacement on C-130H. Procures ICS for the ASD-5 replacement on the AC-130H. Funds communications upgrades for the SOF Command and Control (C2) aircraft that will allow C2 personnel on board the aircraft to interface with other theater staffs during contingency operations. Funds procurement of downsized replacement for the current aircraft. This replacement will be smaller, more reliable, more fuel efficient, and easier to maintain than the current system. FY96 and later funds for reimbursement of the stock fund (for procurement of initial spares) are now being requested under the new Spares and Repair Parts P-1 Line Item.

Shipbuilding

1. Advanced SEAL Delivery System (ASDS) Advanced Procurement (FY 1997 - \$4.390 Million) This is a new line item established for ASDS long-lead material procurement. Funds begin fabrication and integration of the second and third ASDS systems. Orders material for major subcomponents of the ASDS systems such as hull material, batteries, and propulsion motors in support of subsystem level fabrication and operational testing.

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

2. MK 8 MOD 1 SEAL Delivery Vehicle (SDV) (FY 1996 - \$11.115 Million; FY 1997 - \$9.610 Million) Funds provide for the Service Life Extension Program effort of the MK 8 MOD 0 SDV that will focus on correcting identified and projected sustainability and maintainability problems within selected subsystems. FY 1996 funds will be used to purchase/install such items as Global Positioning System, Obstacle Avoidance System, secure communications, mission data recorders, direct current propulsion motors, and pilot/navigator displays. The mission of the MK 8 MOD 1 SDV is clandestine infiltration/exfiltration of SEAL combat swimmers into hostile/denied shore areas and harbor/port facilities for the conduct of special operations.
3. Submarine Conversion (FY 1996 - \$4.684 Million; FY 1997 - \$6.369) Funds will be used to complete the ship alteration detailed design and conduct major modifications required on one SSN 688 class primary host and one LSD 41 class secondary host in support of the Advanced SEAL Delivery System (ASDS) integrated test program. Two SSN 688 modifications are currently planned with the second modification funding in FY 1997. This program supports Naval Special Warfare Command's equipment and mission requirements for the execution of special operations missions as the naval component of the U.S. Special Operations Command. This conversion will provide SSN 688 class submarines as replacements for SSN 637 long-hull Dry Deck Shelter (DDS) host and ASDS host submarines. Also provides for initiation of recoverability and noise tests required to certify the primary host for ASDS operations.
4. Submarine Conversion Advance Procurement (FY 1997 - \$2.886 Million) This new line item established for Submarine Conversion long-lead material procurement. Funds procure long-lead materials for one DDS host submarine.
5. MK V Special Operations Craft (SOC) (FY 1996 - \$19.501 Million; FY 1997 - \$44.668 Million) Funds provide continued procurement of the MK V SOC systems. The FY 1996/FY 1997 proposed buy of four detachments (two craft/transporters and equipment each per detachment). The MK V SOC will conduct Medium Range Insertion/extraction of special operations forces. It will have the inherent ability to support limited Coastal Patrol and Interdiction taskings. The MK V SOC will be a high performance combatant craft capable of being transported over land and on-board C-5 aircraft on its own transporter system.

Ammunition Programs

1. SOF Ordnance Acquisition (FY 1996 - \$23.887 Million; FY 1997 - \$19.892 Million) This line consolidates items formerly in SOF Platform Gun Ammunition and SOF Pyro/Demo. Funds will provide pyrotechnics and demolition materials, and Activated Metal Decoys in support of SOF which include special ground forces, special boat units, special warfare groups/units, Sea Air, Land (SEAL) teams, special boat squadrons, SEAL delivery vehicles and special aircraft. FY 1996 funds will procure 25mm High Explosive Incendiary ammunition and a 40mm ammunition refueling project to correct a flight safety hazard. FY 1996 funds procure the last 3,000 Selectable Lightweight Attack Munitions. FY 1996 funds begin to procure SOF Demolition Kits, which allow SOF operators to tailor needed demolition equipment to a specific mission. FY 1996 funds also procure the Time Delay Firing Device which is an improved firing device to replace the six outdated

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

versions of the M1 firing device. FY 1997 funds will begin procurement of the Remote Activated Munition System, which provides the capability to remotely control equipment such as beacons, weapons, and demolition charges. FY 1997 funds continue procurement of the Penetration Augmentation Munition intended to significantly damage reinforced concrete targets. Items procured will be used for training, exercises, inventory and SOF missions as directed. FY 1996 and 1997 funds provide for Stinger missile modifications which will improve performance against slow moving aerial targets. The Stinger missile is the Navy SOF Patrol Coastal Ship class' primary weapon and the Stinger is also employed by Navy SEAL delivery vehicle and deployed SEAL teams.

3. SOF Ordnance Replenishment (FY 1996 - \$45.412 Million; FY 1997 - \$39.018 Million) This line reflects a realignment of non-acquisition items from SOF Individual Weapons Ammunition, SOF Platform Gun Ammunition and, SOF Pyro/Demo. Funds provide individual weapons ammunition in support of the elite SOF training and mission requirements. These forces include Rangers, special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons and SEAL delivery vehicle teams. The ammunition consists of illumination, smoke, target practice, and subcaliber ammunition. Specifically, funds are required to procure complete rounds, and/or components requiring load and assembly, of small arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke) and SOF peculiar non-standard small arms ammunition items transitioning from various SOF component programs and conduct acceptance testing. Provides ammunition in support of Naval Special Forces requiring 25mm, 40mm, and 60mm caliber gun ammunition, rockets and combat acceptance testing. Provides 7.62 and .50 caliber ammunition in support of the MK V SOC. Procures 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Additionally, the funds are required to procure components, load and assemble complete rounds, and conduct acceptance tests. Ammunition purchases resupply reserve quantities, specified combat reserve quantities, and inter-theater shipping losses. Funds also provide for production engineering, product improvements, and gauge procurement. In addition, funds procure a variety of pyrotechnic items for Navy SOF groups, including illumination, signaling, identification and location devices. Also includes demolition materials such as explosive devices, initiators, and accessories such as the MK-186 Remote Firing Device, the LIMPET, and practice LIMPET engineering support.

Other Procurement

1. Maritime Equipment Modifications (FY 1996 - \$8.559 Million; FY 1997 - \$13.574 Million) These funds were transferred from Patrol Coastal and from the MK V Special Operations Craft. Funds provide upgrades to PC sensors (forward looking infrared and integrated threat warning systems) to improve acquisition and identification of potential threats; ship alteration material and installation; and command and control system software integration and upgrades. The program also includes procurement of propellers designed to reduce the airborne noise in the berthing compartments and meet full power absorption requirements at a higher full load displacement. Finally, begins procurement of improved weapons mounts.

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

2. Spares and Repair Parts (FY 1996 - \$35.876 Million; FY 1997 - \$52.896 Million) This line item consolidates spare and repair parts funding into a single line item. The line item contains spares and repair parts funds from both aviation and shipbuilding programs. Funds reimburse the stock fund for deliveries of initial spares in support of the MC-130H and AC-130U aircraft and the following modifications: APR-46 Improvements; ALQ-172 Upgrade; HC-130P/N Special Operations Forces (SOF) Improvements; Directional Infrared Countermeasures; MH-53J Shipboard Operations; TH-53A Conversion; MH-53J Service Life Extension Program; MH-53J Crashworthy Fuel System; AAQ-17 Enhanced Forward Looking Infrared; and APQ-122 Radar. Funds will be used to procure spare parts to support engineering improvements to four SEAL Delivery Vehicles. Includes Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct Current Propulsion Motor, and Pilot/Navigator Displays.
3. Communications Equipment and Electronics (FY 1996 - \$32.824 Million; FY 1997 - \$34.664 Million) Funds provide for communication systems to support SOF. This funding line consolidates SOF programs from Army, Navy, and Air Force SOF communication requirements. The SOF units' mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. Major funding requirements highlights include:
 - a. Improved Special Operations Forces HF Manpack Radio System (ISHMRS) is a variable power (up to 20 watt) manpack radio which replaces the aging PRC-104. Procures ISHMRS radios for the Army and Navy SOF.
 - b. The Special Mission Radio System (SMRS) is a radio system that provides SOF with a near term solution for a lightweight, low probability of intercept/low probability of detection manpack high frequency radio. FY 1996 funding upgrades existing SMRS radios/base stations through P3I technology insertion of National Security Agency required improved communications security for half of the radio systems.
 - c. Continues procurement and installation of Tactical Radio Systems for Naval Special Warfare units.
 - d. Multiband/Multimission Radio (MBMMR) provides a lightweight, secure manpackable, multi-band transceiver capability. Funding procures initial deliveries of MMBMRs.
 - e. The SOF Tactical Assured Connectivity Systems (SOFTACS) was formerly TACTICAL C4I. The SOFTACS program will provide significantly increased information transfer capability to deployed Special Operations Forces. The funds procure voice switches and tri-band Secure High Frequency Satellite Communications (SHF SATCOM) terminals required for the high volume of information for deployed SOF C3I nodes.

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

f. The International Maritime Satellite Terminal (INMARSAT) provides digital commercial satellite communications, reducing dependency on military UHF satellite communications for long-range, non-combatant missions. Funds continue procurement of digital INMARSAT terminals.

g. The Task Unit C3 Van Communications System consists of a small, lightweight, on/off road, self-contained, diesel powered, air-transportable communications shelter which enables NSW task units to rapidly relay and receive tactical and intelligence information from infiltrated elements to higher authority. Upgrades three total task unit C3 vans with communications capabilities.

Operating independently in denied areas, Special Operations Forces (SOF) units require communications equipment that will improve their warfighting capability without degrading their mobility. Therefore, SOF Communications Equipment & Electronics is a continuing effort to develop and procure unique SOF C3 requirements.

4. SOF Intelligence Systems (FY 1996 - \$19.510 Million; FY 1997 - \$15.051 Million) Funds provide various types of equipment to support SOF Intelligence Systems. Major requirement highlights include:

a. Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES) Funds provide a wide range of mission directed automated intelligence and imagery support to HQ USSOCOM and components. Much of the data is acquired from national intelligence assets/data bases and tailored to SOF needs. Continues the procurement of equipment to establish a distributed SOCRATES network architecture in compliance with nationally-directed client-server environment, and procurement of 25 man-transportable SOCRATES systems.

b. Multi-Mission Advanced Tactical Terminal (MATT) This program allows combat forces to receive near-real-time operational intelligence and threat information to support mission planning and execution, enabling aircrews to effectively avoid, defeat, or destroy enemy threat systems. FY 1996 and FY 1997 funds procure 14 MATT systems for the MH-53J aircraft.

c. The SILENT SHIELD enhances SOF aircrew situational awareness and provide threat warning information. The system consists of two briefcases; one briefcase contains the Communications Surveillance System, and the other contains the tactical data receiver. Aircraft installation kits complete the system. The FY 1996 funds procure six SILENT SHIELD systems.

d. Integrated Survey Program (ISP) procures commercial/government off-the-shelf equipment for a total of 11 suites of standard survey equipment. Funds procure the first six equipment suites, which include laptop computers with computer-assisted design software, electronic filmless cameras, Global Positioning System receivers, and laser rangefinders.

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

- e. Special Operations Forces Intelligence Vehicle (SOF IV) Funds procure the SOF IV systems, which are a mobile, tactical, all-source intelligence processing and dissemination systems.
5. SOF Small Arms and Support Equipment (FY 1996 - \$9.972 Million; FY 1997 - \$10.676 Million) A variety of SOF small arms and weapons are procured for the Army and Navy components through this budget line including SOF Foreign Weapons, Naval Small Arms and Weapons, Weapons Support and Equipment, the M4 Carbine modifications and support equipment, and the SOF Offensive Handgun.
6. SOF Maritime Equipment (FY 1996 - \$11.776 Million; FY 1997 - \$11.211 Million) Funds procure necessary equipment which will enable the Naval Special Warfare Command to meet specific requirements for the execution of Special Operations and fleet support missions. As the Naval Component of U.S. Special Operations Command, these elite forces are called upon to perform difficult, life threatening missions that require modern and safe equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine countermeasure equipment are required for the Naval Special Warfare Command to execute their unique, special operations missions. Specifically, funds procure 10-meter Rigid Inflatable Boats with trailers and associated logistics support. The program also procures Low Magnetic Combat Rubber Raiding Craft signature reduction kits for the Mine Countermeasure program to support the combat swimmer in the Very Shallow Water Mine Countermeasure operational environment.
7. Miscellaneous Equipment (FY 1996 - \$.809 Million; FY 1997 - \$.824 Million) The Miscellaneous Equipment budget line provides for various types of equipment and sustainment activities required to support SOF. The line consists of relatively low cost procurement items such as Joint Operational Stocks, USSOCOM Headquarters Management, Security Detection Devices, etc., that do not reasonably fit in other USSOCOM procurement line item categories.
8. SOF Planning and Rehearsal System (SOFPARS) (FY 1996 - \$.595 Million; FY 1997 - \$.100 Million) Funds provide for the procurement of Common Mapping Production System hardware and upgrades to existing hardware configurations. SOFPARS is an integrated family of mission planning systems, supported by extensive knowledge bases and imagery, that will be used by planners within the SOF command structure worldwide to plan and preview SOF missions. Major areas requiring automated support include data access and management, information fusion, image exploitation, mission planning and mission rehearsal (preview). SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF mission planning process.
9. Operational Force Enhancements (FY 1996 - \$77.656 Million; FY 1997 - \$79.409 Million) Funds are required to support Classified Special Operations Forces projects and modifications. Details of these projects are available as required.
10. PSYOP Equipment (FY 1996 - \$28.106 Million; FY 1997 - \$5.768 Million) Funds provide for acquisition of Psychological Operations (PSYOP) equipment. The intent of PSYOP is to persuade selected target audiences to support U.S. national interests and to

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PROCUREMENT PROGRAM EXECUTIVE SUMMARY

counter misinformation directed at U.S. forces. Funds will continue the procurement of the Special Operations Media System B (SOMS B). The SOMS B system will provide psychological operations initial operational capability for tactical/commercial radio and television broadcast capability in support of the National Mission. SOMS B will result in quicker reaction times, increased system reliability, availability and maintainability, the capability to support the Air Force COMMANDO SOLO, and the fixed site Media Production Center at Ft. Bragg via satellite and microwave, and Psychological Operations (PSYOP) initial operational capability. In addition, funds procure Manpack and Surface Vehicle Systems as part of the Family of Loudspeakers. Funds also procure the Deployable Print Production Center (DPPC), a state-of-the-art, computerized digital system capable of providing printed PSYOP products in forward locations and remote sites.

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FY 1996 - FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, DefensewideDate: February 1995Millions of Dollars

<u>Line No.</u>	<u>Item Nomenclature</u>	<u>FY 1994</u>	<u>FY 1995</u>	<u>FY 1996</u>	<u>FY 1997</u>
<u>AVIATION PROGRAMS</u>					
44	RADIO FREQUENCY MOBILE ELECTRONIC TEST SET (RFMETS)		23.704	29.801	35.888
45	ROTARY WING UPGRADES AND SUSTAINMENT			9.042	4.939
46	SOF TRAINING SYSTEMS			26.818	13.434
47	MC-130H COMBAT TALON II	20.641	29.480	12.134	4.993
48	AC-130U GUNSHIP ACQUISITION	24.789	70.603	57.165	40.362
49	C-130 MODIFICATIONS	62.474	62.350	110.417	104.654
50	C-130 MODIFICATIONS ADVANCE PROCUREMENT		5.101		
51	HH-53 MODIFICATIONS	12.425	6.790		
52	MH-47/MH-60 MODIFICATIONS	7.603	10.591		
53	OH-6 PROCUREMENT AND MODIFICATIONS		7.329		8.396
54	AIRCRAFT SUPPORT	23.184	39.735	5.946	11.593
<u>SHIPBUILDING</u>					
55	PATROL COASTAL	28.369	34.039		
56	ADVANCED SEAL DELIVERY SYSTEM ADVANCE PROCUREMENT				4.390
57	MK 8 MOD 1 SEAL DELIVERY VEHICLE (SDV)		11.822	11.115	9.610
58	SUBMARINE CONVERSION	.516	4.016	4.684	6.369
59	SUBMARINE CONVERSION ADVANCE PROCUREMENT		2.086		2.886
60	MK V SPECIAL OPERATIONS CRAFT	15.107	9.528	19.501	44.668

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FY 1996 - FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, DefensewideDate: February 1995Millions of Dollars

<u>Line No.</u>	<u>Item Nomenclature</u>	<u>FY 1994</u>	<u>FY 1995</u>	<u>FY 1996</u>	<u>FY 1997</u>
<u>AMMUNITION PROGRAMS</u>					
61	SOF ORDNANCE ACQUISITION	17.668	-13.930	23.887	19.892
62	SOF PLATFORM GUN AMMUNITION	27.362	38.226		
63	SOF ORDNANCE REPLENISHMENT	12.597	10.116	45.412	39.018
<u>OTHER PROCUREMENT PROGRAMS</u>					
64	MARITIME EQUIPMENT MODIFICATIONS			8.559	13.574
65	SPARES AND REPAIR PARTS			35.876	52.896
66	COMMUNICATIONS EQUIPMENT AND ELECTRONICS	44.806	15.098	32.824	34.664
67	SOF INTELLIGENCE SYSTEMS	27.761	13.523	19.510	15.051
68	SOF SMALL ARMS AND SUPPORT EQUIPMENT	3.188	8.470	9.972	10.676
69	SOF MARITIME EQUIPMENT	18.893	14.882	11.776	11.211
70	DRUG INTERDICTION	1.400			
71	MISCELLANEOUS EQUIPMENT	2.739	3.894	.809	.824
72	SOF PLANNING & REHEARSAL SYSTEM	10.791	2.937	.595	.100
73	OPERATIONAL FORCE ENHANCEMENTS	95.593	86.152	77.656	79.409
74	PSYOP EQUIPMENT	6.471	7.823	28.106	5.768
TOTAL PROCUREMENT		464.377	532.225	581.605	575.265

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MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS										
1. AAQ-18 Replacement (MC-130E)		6.155								6.155
2. APQ-170 Radar Upgrade (MC-130H)			8.888	8.459	8.459					25.806
3. ALQ-172 ECM Jammer Upgrade (AC-130H/U, MC-130H)	48.200	19.804	17.768	19.720	18.075	14.235	11.446	11.743		160.991
4. AN/AAQ-17 IR Detection Set Upgrade (AC-130H/U)		3.042	15.225	3.284						21.551
5. APQ-122(V) Band Radar Upgrade (MC-130E)	30.900	10.470	1.294							42.664
6. APR-46 Top Mount Antennas (MC-130H)		3.897	.995	.448						5.340
7. Center Wing Replacement (AC-130H, HC-130P/N, MC-130E)	151.900		11.907	8.429	6.835					179.071
8. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)			28.236	38.152	28.534	85.122	10.924			190.968
9. Lifeline (AC-130U, MC-130H)	6.492	8.580	1.692							16.764
10. MC-130H Communications Upgrade		10.202	4.976	4.977						20.155
11. Navigation Upgrades, Phase II (MC-130H)	4.838	.200								5.038
12. FY 1990 Aircraft Modification Installations (AC-130H, HC-130P/N, MC-130E, C-141B)			5.551	5.661	4.969					16.181
13. SOF Test Bed Program Depot Maintenance (C-130E (Acft No. 500))	2.100									2.100
14. MC-130H Underbelly Protection Program			1.393	1.194						2.587
15. AC-130U APU Upgrade			1.276							1.276
16. MC-130H APU Upgrade			.565	1.791						2.356
17. ALQ-172 Low Band Jammer Upgrade (AC-130U, MC-130E/H)						12.091		14.519		26.610
18. P31 DIRCM (AC-130U, EC-130E, HC-130P/N, MC-130E/H)								15.922		15.922
19. EC/HC DIRCM (EC-130E, HC-130P/N)							10.946	12.539		23.485
20. AC-130H Upgrades						3.582	5.970	5.970		15.522

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MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	PY's	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS (Cont'd)										0.000
21. Low Light Level TV Replacement (AC-130H)					2.370	11.245	11.742	11.145		36.502
22. T56 Quick Engine Change Kits (AC-130H, MC-130E)						4.957	16.918	16.917		38.792
23. Gas Turbine Replacement (AC-130H, MC-130E)						1.820	2.897	5.274		9.991
24. HC-130 Upgrades						2.090	2.985	2.985		8.060
25. EC-130 Upgrades						.995	1.542	1.542		4.079
26. AC-130H LIDAR					4.478					4.478
27. ALE-47 Chaff and Flare Dispenser (AC-130H/U, EC-130E, HC-130P/N, MC-130E/H)							7.812	8.017	8.500	24.329
28. MC-130H Air Refueling Capability										
29. AC-130U P31							11.941	18.609		41.198
30. APR-46 Upgrades (AC-130H/U, MC-130E/H)						19.106	21.594	27.067		67.767
TOTAL FOR C-130 MODIFICATIONS	244.430	62.350	99.766	92.115	73.720	153.800	135.455	156.000	8.500	1,026.136
HH-53 MODIFICATIONS										
1. INTERACTIVE DEFENSIVE AVIONICS SYSTEM (IDAS)	20.400	6.838								27.238
2. APQ-158	3.456									3.456
TOTAL FOR HH-53 MODIFICATIONS	23.856	6.838								30.694
MH-47/MH-60 MODIFICATIONS										
1. MH-47E MODIFICATIONS	3.801	5.333								9.134
2. MH-60K MODIFICATIONS	3.802	5.333								9.135
TOTAL FOR MH-47/MH-60 MODIFICATIONS	7.603	10.666								18.269

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MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
ROTARY WING UPGRADES AND SUSTAINMENT										
3. MH-60G FUEL TANKS			1.592	.199						1.791
4. MH-53J ALQ-162			.269							0.269
5. MH-53J AN/AAQ-18						2.985	2.986			5.971
ROTARY WING UPGRADES AND MODIFICATIONS						5.076	46.770	50.996		102.842
TOTAL FOR ROTARY WING UPGRADES AND SUSTAINMENT			1.861	0.199		8.061	49.756	50.996		110.873
SOF ORDNANCE ACQUISITION										
STINGER BLOCK I			5.433	5.724						219.686
TOTAL FOR SOF ORDNANCE ACQUISITION			5.433	5.724						219.686
SOF INTELLIGENCE SYSTEMS										
MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT)	12.800	5.044	9.200	9.000	20.000	14.300	4.000			74.344
TOTAL FOR SOF INTELLIGENCE SYSTEMS	12.800	5.044	9.200	9.000	20.000	14.300	4.000			74.344
MARITIME EQUIPMENT MODIFICATIONS										
1. PC COMMAND AND CONTROL UPGRADES			.855	.351	.260	.130	.130			1.726
2. PC STERN FLAP MODIFICATION				.240	.055	.060				0.355
3. PC ACTIVE NOISE CANCELLATION			.869	.070	.060					0.999
4. PC BRIDGE CONTROLS			.300	.190	.054					0.544
5. PC THREAT WARNING SYSTEM			2.395	3.740	3.139	.641				9.915
6. PC FORWARD LOOKING INFRARED UPGRADE				4.933	5.843	1.060	.398			12.234
7. PC PROPELLER UPGRADE			3.997	.220	.347					4.564
8. MK V SOC WEAPONS				3.745	3.980	.090				7.815

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MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
MARITIME EQUIPMENT MODIFICATIONS (Cont'd)										
9. MK V SOC FORWARD LOOKING INFRARED					1.562	13.344				14.906
10. MK V ELECTRONICS						7.961				7.961
11. PC MISSION DEPENDENT MODULAR AFT DECK						2.258	2.157	2.262		6.677
12. PC SURFACE-TO-SURFACE MISSILE SYSTEM						16.282	31.441	50.110		97.833
13. PC K Alterations			.143	.085	.112					0.340
TOTAL FOR MARITIME EQUIPMENT MODIFICATIONS			8.559	13.574	15.412	41.826	34.126	52.372		165.869
TOTAL FOR ALL MODIFICATIONS	288.689	84.898	124.819	120.612	109.132	217.987	223.337	259.368	8.500	1,405.658

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PROCUREMENT PROGRAM - INSTALLATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS										
AC-130H LIDAR					1.200					1.200
UARRSI	7.500									7.500
ALQ-172 ELECTRONIC CM JAMMER UPGRADE				.800	1.600	.400				2.800
APQ-122(V) BAND RADAR UPDATE		1.200								1.200
APR-46 TOP MOUNT ANTENNAS		0.600								0.600
CENTER WING REPLACEMENT	42.900		12.000	8.400	6.800					70.100
DIRECTIONAL INFRARED COUNTERMEASURES (DIRCM)				2.600	2.000	2.700	1.700			9.000
LIFELINE	0.500	1.200	1.700							3.400
MC-130H COMMUNICATIONS UPGRADE			0.400	1.200						1.600
NAVIGATION UPGRADES, PHASE II	0.800									0.800
FY 1990 AIRCRAFT MODIFICATION INSTALLATIONS			5.551	5.661	4.969					16.181
MC0130H UNDERBELLY PROTECTION SYSTEM			.200	.200						0.400
NAVIGATION UPGRADES, PHASE I	.600									0.600
TOTAL C-130 MODIFICATIONS	52.300	3.000	19.851	18.861	16.569	3.100	1.700	0.000	0.000	115.381
HH-53 MODIFICATIONS										
INTERACTIVE DEFENSIVE AVIONICS SYSTEM (IDAS)		*	*	*						*
TOTAL FOR HH-53 MODIFICATIONS		*	*	*						*
* INSTALLATION COSTS LESS THAN \$50K										

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PROCUREMENT PROGRAM - INSTALLATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
ROTARYWING UPGRADES AND SUSTAINMENT										
MH-60G FUEL TANKS				0.200						0.200
TOTAL FOR ROTARYWING UPGRADES AND SUSTAINMENT				0.200						230.962
SOF INTELLIGENCE SYSTEMS										
MULTI-MISSION ADVANCED TACTICAL TERMINALS (MATT)		2.500	3.500	4.000	4.000	4.500	4.000			22.500
TOTAL FOR SOF INTELLIGENCE SYSTEMS		2.500	3.500	4.000	4.000	4.500	4.000			22.500
MARITIME EQUIPMENT MODIFICATIONS										
PATROL COASTAL C2 SOFTWARE UPGRADE			.100							0.100
PATROL COASTAL STERN FLAP MODIFICATION				.100	.100	.100				0.300
PATROL COASTAL ACTIVE NOISE CANCELLATION				.100	.100					0.200
PATROL COASTAL BRIDGE CONTROLS				.200	.100					0.300
PATROL COASTAL THREAT WARNING SYSTEM (TWS)				.400	.600	.600				1.600
PATROL COASTAL FORWARD INFRARED UPGRADE					.300	1.000	.400			1.700
PATROL COASTAL PROPELLER UPGRADE				.200	.300					0.500
MK V SPECIAL OPERATIONS CRAFT WEAPONS					.100	.100				0.200
TOTAL FOR MARITIME EQUIPMENT MODIFICATIONS			0.100	1.000	1.600	1.800	0.400			4.900
TOTAL FOR ALL MODIFICATIONS	52.300	5.500	23.451	24.061	22.169	9.400	6.100			230.962

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SPARE and REPAIR PARTS

USSOCOM / Procurement, Defensewide Summary

Service: United States Special Operations Command

Submission: FY 1996 - FY 1997 PB
Date: February 1995

Millions of Dollars

<u>APPROPRIATION</u>	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
PROCUREMENT - AVIATION	2.030	4.900	27.173	35.850
PROCUREMENT - SHIPBUILDING			8.703	17.046
TOTAL SPARE AND REPAIR PARTS	2.030	4.900	35.876	52.896

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BUDGET ITEM JUSTIFICATION SHEET						DATE		FEBRUARY 1995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE RADIO FREQUENCY MOBILE ELECTRONIC TEST SET							
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)		23.704	29.801	35.888	19.171	17.194	2.587	3.284	
<p>MISSION AND DESCRIPTION: The Radio Frequency Mobile Electronic Test Set (RFMETS) is a program to provide Special Operations Forces (SOF) common mobile intermediate-level tester for critical avionics of the AC-130H, AC-130U and MC-130H aircraft. In 1991, the program began procurement of 20 off-the-shelf test units and the development of software test program sets (TPSs), and ancillary equipment for certain Line Replaceable Units (LRUs). This program provides organic depot-level repair capability for the Shop Replaceable Units (SRUs) in the LRUs for: MC-130H APQ-170 radar, the AC-130U All Light Level Television (ALLTV), AC-130U APQ-180 radar, displays, communications, and control LRUs; and the AC-130H communications and display LRUs. RFMETS has been an Air Force funded program through FY 1994 and transitioned to MFP-11 funding in FY 1995.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds will be used primarily for the SRU TPS development for the organic depot-level repair capability of SOF aircraft LRUs. Not obtaining this capability would require contractor logistics support for the life of this program. Funds are also required for engineering change proposals (ECPs) to ongoing contracts for LRU and SRU TPS development.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Funds will be used for the organic depot-level repair capability of additional LRUs in SOF aircraft. Not obtaining this capability would require contractor logistics support for the life of this program. Funds are also required for ECPs to ongoing contracts for LRU and SRU TPS development.</p>									

P-1 SHOPPING LIST, ITEM NO. 44

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EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 1 Page

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P-1 SHOPPING LIST, ITEM NO. 44

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE RFMETS PROGRAM			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. RFMETS PROGRAM										
B. UPGRADE TO APQ-180 RADAR SE FY 95	WR-ALC/LY Warner Robins	PO/FP	AFMC	MAR 95	MAR 96	1	1,632,000	YES	NO	
C. COMMON DEPOT TESTERS FY 95	Rockwell	SS/FFP	AFMC	MAR 95	MAR 98	4	1,831,500	NO		
D. ALLTV I-Level FY 95	Rockwell	SS/FFP	AFMC	MAR 95	MAR 98	1	10,400,000	NO		
E. UPGRADE TO APQ-170 RADAR TPSs FY 95	LORAL	SS/FFP	AFMC	MAY 95	MAY 96	1	816,000	NO		
F. SOF A/C SRU TRSs FY 96	UNKNOWN	FFP	AFMC	JAN 96	JAN 98	84	291,667	YES	YES	MAR 95
FY 97	UNKNOWN	FFP	AFMC	DEC 96	DEC 98	127	253,543	YES	YES	AUG 96
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET		DATE		FEBRUARY 1995					
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT							
		FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY									
COST (In Millions \$)				9.042	4.939	4.929	19.753	65.330	71.699

MISSION AND DESCRIPTION: A requirement exists to provide aviation support to Special Operations Forces in world-wide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of rapid deployment and undetected penetration of hostile areas. These aircraft must be capable of operating at extended ranges under adverse weather conditions to infiltrate, provide logistics for, reinforce, and extract Special Operations Forces. The threat is characterized by an extensive and sophisticated ground based air defense and an upgraded air-to-air capability targeted against helicopters. Third world operations are apt to involve greater distances and more challenging geographical environmental conditions than the European theater. Program provides for ongoing survivability, reliability, maintainability, and operational upgrades as well as procurement appropriation sustainment cost for fielded rotary wing aircraft and subsystems. These include the MH-60G/L/K, MH-53J, TH-53A, and MH-47D/E helicopters.

1. MH-47E/MH-60K. Provides for digital terrain module memory upgrade for compressed Defense Mapping Agency data, ARC-210/Demand Assigned Multiple Access modem integration per JCS directive for standardization, Airborne Target Handover System upgrade for standardization across aircraft fleets, Night Vision Head Up Display standardization and aircraft integration, and ALQ-136/162 aircraft survivability equipment amplifier upgrade.

FY 1996 PROGRAM JUSTIFICATION: Provides for digital terrain module memory upgrade for compressed Defense Mapping Agency data. Allows for ARC-210 radio Demand Assigned Multiple Access modem integration required by JCS directive for standardization.

FY 1997 PROGRAM JUSTIFICATION: Allows for standardization across aircraft fleets of the Airborne Target Handover System, provides for standardization and aircraft integration of the Night Vision Head Up Display, and upgrades the amplifier of the ALQ-136/162 aircraft survivability equipment.

P-1 SHOPPING LIST, ITEM NO. 45

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EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 2 Pages

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BUDGET ITEM JUSTIFICATION SHEET		DATE	FEBRUARY 1995					
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT							
2. MH-53J. Provides for ALQ-162 Infrared Jammer engineering change proposal to allow flight line reprogramming of jamming system.								
FY 1996 PROGRAM JUSTIFICATION: Flightline reprogramming via the aircraft's 1553 databus ensures rapid response required for changing threat situations. Lack of a rapid reprogramming capability causes reduced mission capability due to extended reprogramming response time. Improperly programmed ALQ-162 system could cause loss of aircrew or delay deployment of aircraft to specific hostile mission areas.								
3. MH-60G. Acquires and makes needed aircraft modifications to install external 230 gallon fuel tanks for extended range operations. Acquires two Portable Engine Analysis Test Sets (PEATS). Funds AAQ-16 Forward Looking Infrared (FLIR) Interim Contractor Support.								
FY 1996 PROGRAM JUSTIFICATION: External fuel tanks provide for extended range to improve aircraft's operational effectiveness and meet mission tasks. The PEATS provides rapid analysis of engine problems for reduced maintenance downtime.								
FY 1997 PROGRAM JUSTIFICATION: Provides for installation of external fuel tanks.								
MODIFICATION SUMMARY FOR ROTARY WING AIRCRAFT								
DESCRIPTION	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
1. MH-60G Fuel Tanks			1.592	.199				
2. MH-53J ALQ-162			.269					
3. MH-53J AN/AAQ-18						2.985	2.986	
4. Rotary Wing Upgrades and Modifications						5.076	46.770	50.996
TOTAL			1.861	.199		8.061	49.756	50.996

P-1 SHOPPING LIST, ITEM NO. 45

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Page 2 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995	
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2				C. P-1 ITEM NOMENCLATURE ROTARY WINGS UPGRADES AND SUSTAINMENT							
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES WHEN AVAIL	
3. MH-60G A. PEATS FY 96	UNKNOWN	REQ'N	SA-ALC	JAN 96	MAR 97	2	158,000	YES	NO		

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INDIVIDUAL MODIFICATION
MODIFICATION TITLE: MH-60G FUEL TANKS
MODELS OF SYSTEMS AFFECTED: MH-60G
DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

External 230 gallon fuel tanks upgrade for aerial refueling capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

PDR: Sep 94; CDR: Nov 94; 1st trial install: 1st Qtr FY95; 1st production install: 4th Qtr FY96, Aircraft Breakout: 0 ANG; 0 ARFES; 9 Active (Pave Mint); 60

FINANCIAL PLAN: (\$ in millions)

	PYs		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Installation Kits					20	1.4													20	1.4
Installation Kit Nonrecurring					20	0.1													20	0.1
Equipment																			0	0.0
Equipment Nonrecurring																			0	0.0
Engineering Change Orders																			0	0.0
Mod of Spares (2)						0.1													0	0.1
																			0	0.0
																			0	0.0
																			0	0.0
																			0	0.0
																			0	0.0

Installation of Hardware

PYs																				
FY95																			0	0.0
FY96							40	0.2											40	0.2
FY97																			0	0.0
FY98																			0	0.0
FY99																			0	0.0
FY																			0	0.0
FY 1																			0	0.0
To Complete																			0	0.0
Total Installation Cost	0	0.0	0	0.0	0	0.0	40	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	40	0.2

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 45

DEPOT

Current Year: -

Current Year: -

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 2/96

Budget Year 1: 2/97

PRODUCTION LEADTIME: 12 MONTHS

Budget Year 2: -

Budget Year 2: -

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-60G FUEL TANKS
INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
10	10	10	10

QUARTERS
OUTPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
10	10	10	10

P-1 SHOPPING LIST, ITEM NO. 45

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-60G FUEL TANKS
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		
																		40

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		
																		40

P-1 SHOPPING LIST, ITEM NO. 45

Page 3 of 3
Exhibit P-3A

INDIVIDUAL MODIFICATION
MODIFICATION TITLE: MH-53J ALQ-162
MODELS OF SYSTEMS AFFECTED: MH-53J
DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

This modification will update the AN/ALQ-162 Receiver/Transmitter User Data File (UDF) and allow the UDF to be reprogrammed by a MIL-STD-1553 MUX bus. A flight-line sweep mode will also be added for organizational level testing.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Navy Program Office, NAS Jacksonville FL is developing the Engineering Change Proposal (ECP) which will be offered to the Air Force and Army. The Navy is funding for Group B developmental costs associated with this modification. Air Force R&D is for software to implement reprogramming with the Air Force standard reprogramming support equipment PLV. The required procurement funding is to procure the Group B modification kits and the necessary support equipment changes.

FINANCIAL PLAN: (\$ in millions)[illegible]

RDT&E

PROCUREMENT

Installation Kits	82	82
Installation Kit Nonrecurring		
Equipment		
Equipment Nonrecurring		
Engineering Change Orders		
Support Equip	0.2*	0.2*
Mod of Spares	16	16

Installation of Hardware

PY's	
FY95	
FY96	
FY97	
FY98	
FY99	
FY00	
FY01	
To Complete	

Total Installation Cost

* - Balance of \$70K is split between Install Kits and Mod of Spares.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE: 2nd Qtr FY96

DELIVERY DATE: 4th Qtr FY96

P-1 SHOPPING LIST, ITEM NO. 45

0.2*

ORGANIZATIONAL/INTERMEDIATE

Current Year:

Current Year:

0.2*

ADMINISTRATIVE LEADTIME: 4 MONTHS

Budget Year 1:

Budget Year 1: _____

PRODUCTION LEADTIME: 1 MONTH

Budget Year 2:

Budget Year 2: _____

Page 1 of 1
EXHIBIT P-3A

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BUDGET ITEM JUSTIFICATION SHEET										DATE	FEBRUARY 1995
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF TRAINING SYSTEMS									
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01			
QUANTITY			2	1							
COST (In Millions \$)			26.818	13.434							
MISSION AND DESCRIPTION: This P-1 line funds procurement of ground-based trainers to support initial training. Also funds Data Base Generating Equipment required for building and maintaining real-world training and mission rehearsal scenarios.											
FY96 PROGRAM JUSTIFICATION: Procures Gunship Aircrew/Maintenance Training System (GA/MTS) Battle Management Center (BMC), C-130 Air Refueling Part Task Trainer (ARPTT), and front end Flight Station Trainer.											
FY97 PROGRAM JUSTIFICATION: Procures GA/MTS front end Flight Station Trainer.											

P-1 SHOPPING LIST, ITEM NO. 46

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Page 1 of 1 Page
EXHIBIT P-40 Budget Item Justification Sheet

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)							DATE: FEBRUARY 1995			
Appropriation / P-1 Line Item Procurement, Defensewide / SOF Training Systems				Weapon System Special Operations Forces			Equipment Nomenclature AC-130U Gunship Aircrew/Maintenance Training System (GA/MTS)			
Fin Plan	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	Total	
Quantity	0	0	2	1	0	0	0		3	
Procurement			26,818	13,434					40,252	
RDT&E			2,488	7,861	7,961	5,473	9,852	1,990	35,625	
O&S				1,249	1,344	1,435	1,477	1,522	7,027	

This project funds the AC-130U Gunship Aircrew/Maintenance Training System (GA/MTS), the Air Refueling Part Task Trainer (ARPTT), and the Satellite SOPREP Data Base Generation System (DBGS). Supports SOF rotary wing aircraft and develops training capabilities for SOF fixed wing aircraft. The GA/MTS develops an integrated, ground-based combination training and mission rehearsal system to support initial, mission, special qualification, continuation, upgrade and maintenance training for the AC-130U Gunship aircraft. The need for GA/MTS is driven by inadequate ground-based training or mission rehearsal capability for the aircrew and maintenance personnel. The GA/MTS will consist of two primary components. The first component, a flight station, will feature full fidelity, with motion simulation for the pilots and flight engineers. The second component, Battle Management Center (BMC), will support training for the Fire Control Officer, Infrared Sensor Operator, Television Sensor Operator, Navigator and Electronic Warfare Officer positions. Additionally, the Instructor Operator Station will provide role-playing capabilities for the gunner and loadmaster. GAMTS will be networked with other AFSOC mission rehearsal devices. The ARPTT consists of a C-130 cockpit with aero package, audio package, and technical data. It will train pilots how to refuel from the precontact position to hookup. The Satellite SOPREP DBGS consists of a workstation (mini-DBGS) used to enhance data bases required for joint training and mission rehearsal.

UNCLASSIFIED

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) (\$000)										DATE: FEBRUARY 1995	
Appropriation / P-1 Line Item Procurement, Defensewide / SOF Training Systems			Weapon System Special Operations Forces		IOC Date		Equipment Nomenclature AC-130U Gunship Aircrew/ Maintenance Training System (GA/MTS)		PE		

UNCLASSIFIED

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)										DATE: FEBRUARY 1995			
Training Device by Type AC-130U Gunship Aircrew/Maintenance Training System (GA/MTS)					Weapon System Special Operations Forces								
Description/Justification: A contractor-managed, simulator-type aircrew training system which produces a qualified aircrew member. Funds procurement and deployment of a trainer and Battle Management Center providing real-world mission training and rehearsal capability for AC-130 aircraft. Also funds procurement of an Air Refueling Part Task Trainer (ARPTT) and a SOFREP Mini-Data Base Generation System (DBGS).													
Financial Plan	Prior Years		FY 1995		FY 1996		FY 1997		Cost to Complete		Total Cost		
	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	
HARDWARE COSTS													
Device (Hardware)						2	19,450		1	10,000		3	29,450
ECOs										434			1,302
Nonrecurring													
GFE													
Other													
Total Hardware Costs							20,318			10,434			30,752
SUPPORT COSTS													
Special SE (Mini-DBGS)													500
Integrated Log Support													
Other (Spares/Data/Misc.)							6,000			3,000			9,000
Total Support Costs							6,500			3,000			9,500
Software/Courseware													
TOTAL COSTS							26,818			13,434			40,252

P-1 Shopping List Item No. 46

 EXHIBIT P-43, Page 3 of 3
 P-43 Simulator & Training Device Justification

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET				DATE		FEBRUARY 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE MC-130H COMBAT TALON II						
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)	20.641	29.480	12.134	4.993	5.582	4.080		

MISSION AND DESCRIPTION: The Combat Talon (CT II) is a production program in which a specialized avionics suite is integrated into a C-130H airframe. Its mission is to conduct night, adverse weather, low-level, long-range operations in hostile, politically denied/sensitive, defended areas to infiltrate, resupply, or exfiltrate special operations forces and equipment. All 24 MC-130H aircraft have been procured in prior years. Ongoing efforts focus on meeting all operational requirements in the System Operational Requirements Document increasing radar system reliability and maintainability, establishing organic intermediate and depot level maintenance capability, and supporting site activation at Kadena Air Base, Japan. All sustainment upgrades and modifications for the MC-130H airframe are now described in the C-130 Modifications P-1 line.

FY 1996 PROGRAM JUSTIFICATION: Provides resources for interim contractor support, technical studies and analysis, and aircraft source data. Interim Contractor Support (ICS) will provide maintenance support until full intermediate and depot organic maintenance capability is achieved.

FY 1997 PROGRAM JUSTIFICATION: Provides resources for ICS, technical data, and Kadena Air Base field support. ICS will provide maintenance support until organic depot maintenance is achieved.

P-1 SHOPPING LIST, ITEM NO. 47

UNCLASSIFIED

EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 1 Page

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Wpn Model/Series/Popular MC-130H/Combat Talon II				C. Manufacturer Name, Plant City/State Location Lockheed/Loral (IBM)				DATE: FEBRUARY 1995			
	Ident. Code	FY 1994		Total Cost	FY 1995		Total Cost	Name	FY 1996		Total Cost	Unit Cost	FY 1997		QTY	Total Cost
		Unit Cost	QTY		Unit Cost	QTY			Unit Cost	QTY						
Weapon System Cost Elements																
ENGINE/ACCESSORIES																
AVIONICS																
a. CFE	N/A							4,591								
b. GFE	N/A							3,369								
SERVICE REPORTS/PQDRs	N/A			421												
OTHER GFE																
ECO (All Flyaway Components)																
NON-RECURRING COSTS																
(Tooling)																
(Other)	N/A							1,818								
OTHER COSTS	N/A															
Subtotal FLYAWAY COST				421				9,778								
AIRFRAME PGSE	N/A			10,959				5,224								
EXTEND. INTEG. SPT. ENVIRON. (EISE)	N/A							1,564								
AVIONICS PGSE	N/A							1,530								
PECULIAR TRAINING EQUIPMENT																
PUBLICATIONS/TECH. DATA	N/A							204			200				207	
INTERIM CONTRACTOR SUPPORT	N/A			6,564				7,508			7,550				3,910	
OTHER				2,697				3,672			4,384				876	
Subtotal SUPPORT COST				20,220				19,702			12,134				4,993	
GROSS P-1 END COST				20,641				29,480			12,134				4,993	
LESS: PRIOR YR. ADV. PROC.																
NET P-1 FULL FUNDING COST				20,641				29,480			12,134				4,993	
Plus Current Year ADV. PROC.																
Other Non P-1 Weapon System Costs																
Initial Spares																
Modification Summary																
TOTAL				20,641				29,480			12,134				4,993	

P-1 SHOPPING LIST, ITEM NO. 47

Page 1 of 1 Pages

EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET ITEM JUSTIFICATION SHEET				DATE		FEBRUARY 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE AC-130U GUNSHIP						
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)	24.789	70.603	57.165	40.362	36.359	19.712	19.564	8.916

MISSION AND DESCRIPTION: The AC-130U is a new production C-130H airframe converted to a side-firing gunship configuration with advanced sensors, weapons and a digital avionics suite that will provide enhanced operational capability and reliability over the current AC-130H. Mission equipment will include automated fire control radar that will give the AC-130U all-weather strike capability, Infrared Detection System and All Light Level Television (ALLTV). A Trainable Gun Mount System for the 25mm cannon will give the AC-130U dual target tracking capability. Further enhancements to the AC-130U are a pressurized cabin for deployment plus inflight reconfiguration-for-firing ability. The primary mission for the AC-130U will be precision fire support for Special Operations Forces (SOF), but it will have the flexibility to perform armed escort, surveillance, search and rescue, and armed reconnaissance.

FY 1996 PROGRAM JUSTIFICATION: Provides resources for interim contractor support (ICS) of contractor modified and furnished avionics (e.g. APQ-180 Strike Radar, etc.) and ICS for the mission software (e.g. Operational Flight Program, Controls and Displays Program etc.). ICS will provide the capability to maintain the aircraft avionics and software until the entire weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Further resources are provided for the modification of technical orders (TOs) to job guide format which will provide commonality with TOs of other SOF maintained systems, bringing them into compliance with MIL-M-83495A print and maintain technical orders and acquire reprourement data; acquisition of Intermediate Level Support Equipment to further reduce out-year ICS costs by moving toward an organic capability.

FY 1997 PROGRAM JUSTIFICATION: Provides resources for continuation of ICS of contractor furnished avionics. ICS will provide the capability to maintain the aircraft avionics and software until the entire weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Further resources are provided for the modification of technical orders (TOs) to job guide format.

Note: All AC-130U modification funding transferred to the C-130 Modifications line.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Wpn Model/Series/Popular Name AC-130U GUNSHIP				C. Manufacturer Name, Plant City/State Location Lockheed/Rockwell Int'l., Palmdale, CA				DATE: FEBRUARY 1995	
	Weapon System Cost Elements	Ident. Code	FY 1994		FY 1995		FY 1996		FY 1997					
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost			
AIRFRAMES/CFE														
ENGINE/ACCESSORIES														
a. CFE (Aft Observer Stn. Couch)	B		191,167	12	2,294									
b. GFE	A				4,974									
ARMAMENT	A				24							866		
ARMAMENT (25MM Ammunition Containers)	B		17,979	48	863									
ECO (All Flyaway Components)														
SERVICE REPORTS/PQDRs	N/A													
OTHER COSTS & ECO	N/A													
Subtotal FLYAWAY COST					8,155							866		
AIRFRAME PGSE														
ENGINE PGSE														
AVIONICS PGSE	A				3,094									
I LEVEL SUPPORT EQUIPMENT	A													
PUBLICATIONS/TECH. DATA	N/A				40							2,442		
INTERIM CONTRACTOR SUPPORT	N/A				13,500							18,211		2,453
INTERIM CONTRACTOR SUPPORT (SFTW.)	N/A											25,990		29,367
OTHER (GFE SPT/GFE-REP & SOFT SPT RI)	N/A											9,372		
INITIAL SPARES												284		8,542
Subtotal SUPPORT COST					16,634							56,299		40,362
GROSS P-1 END COST														
LESS: PRIOR YR. ADV. PROC.					24,789							57,165		40,362
NET P-1 FULL FUNDING COST														
Plus Current Year ADV. PROC.					24,789							57,165		40,362
Other Non P-1 Weapon System Costs														
Initial Spares	N/A													
Modifications														
TOTAL					24,789							57,165		40,362

P-1 SHOPPING LIST, ITEM NO. 48

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		C. P-1 ITEM NOMENCLATURE AC-130U GUNSHIP ACQUISITION								
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
AFT OBSERVER STATION COUCH FY 94	Rockwell Int'l. Palmdale, CA	CPFF	ASC	SEP 94	JAN 95	12	191.167	YES	NO	
25MM AMMUNITION CONTAINERS FY 94	Rockwell Int'l. Palmdale, CA	FFP	ASC	SEP 94	FEB 96	48	17.979	YES	NO	
D. REMARKS:										

[illegible]

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BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 1995							
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS							
QUANTITY	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
COST (In Millions \$)	62.474	62.350	110.417	104.654	85.661	153.800	135.455	156.000	
MISSION AND DESCRIPTION: Program provides for numerous modifications to various models of the C-130 aircraft. Program is comprised of modifications generated from mission performance deficiencies, logistics problems and changes in the mission of the C-130 aircraft. No P-3A documentation is provided for modifications starting after FY 1997 or for those having only FY 1995 and prior year funding.									
FY 1996 PROGRAM JUSTIFICATION: Funds for the final 22 Lifeline installations; procures three ALQ-172 Pave Mint Low Band Jammer systems for AC-130H aircraft; procures 12 Directional Infrared Countermeasure (DIRCM) systems; funds for the first two trial installations of the AAQ-17 Infrared Detection Set on the AC-130H and AC-130U aircraft; installs and integrates the following Air Force communications initiatives into the MC-130H aircraft: Single Channel Ground-to-Air Radio System, Narrow Band Satellite Communications (SATCOM), and Automatic Communications Processor (ACP); installs 7 center wing boxes on SOF aircraft; funds for high priority AC-130U service reports selected from a list of 82 defined, out-of-scope deficiencies discovered during flight test; funds for reliability and maintainability (R&M) upgrades on the MC-130H APQ-170 radar identified by the field and during lab testing; funds for interim contractor support (ICS) for the APQ-122 Band Radar Update and APR-46 Top Mount Antenna; funds for the installation of the last 22 Lifeline kits in support of AC-130U and MC-130H aircraft; funds for the installation of 25 kits procured with FY 1990 and prior year funds; procures the first 14 Underbelly Protection Systems for MC-130H aircraft; and upgrades the existing power unit (85-180L) on 13 AC-130U and 6 MC-130H aircraft.									
FY 1997 PROGRAM JUSTIFICATION: Procures final ALQ-172 Pave Mint Low Band Jammer system for the AC-130H and funds for the first production installation of one upgraded ALQ-172 system. Procures 14 DIRCM systems and funds for the installation of 17 systems. Funds for installation of 9 AAQ-17 FLIR systems; installs and integrates SINGARS, Narrowband SATCOM, and ACP on the MC-130H. Installs 6 center wing boxes on SOF aircraft; funds for high priority AC-130U service reports selected from a list of 82 defined, out-of-scope deficiencies discovered during flight test; funds for R&M upgrades on the MC-130H APQ-170 radar identified by the field and during lab testing; funds for the last year of ICS for the APR-46 Top Mount Antenna; funds for the installation of 18 kits procured with FY 1990 and prior year funds; procures and installs the last 10									

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 4 Pages

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE	FEBRUARY 1995						
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS								
FY 1997 PROGRAM JUSTIFICATION (Cont'd.)									
Underbelly Protection Systems for MC-130H aircraft; and upgrades the last 18 auxiliary power units (85-180L) on MC-130H aircraft.									
Note: AC-130 and MC-130 modification funding transferred from those respective P-1 lines to C-130 Modifications P-1 line effective FY 1996.									
		MODIFICATION SUMMARY FOR C-130 AIRCRAFT							
<u>DESCRIPTION</u>		<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
NOTE: No P3A documents are provided for modifications ending prior to FY 1996.									
1. AAQ-18 Replacement (MC-130E)			6.155						
2. APQ-170 Radar Upgrade (MC-130H)				8.888	8.459	8.459			
3. ALQ-172 Electronic CM Jammer Upgrade (AC-130H/U, MC-130H)		8.871	19.804	17.768	19.720	18.075	14.235	11.446	11.743
4. AN/AAQ-17 IR Detection Set Upgrade (AC-130H/U)			3.042	15.225	3.284				
5. APQ-122(V) Band Radar Update (MC-130E)		18.940	10.470	1.294					
6. APR-46 Top Mount Antennas (MC-130H)			3.897	.995	.448				
7. Center Wing Replacement (AC-130H, HC-130P/N, MC-130E)		22.312		11.907	8.429	6.835			

P-1 SHOPPING LIST, ITEM NO. 49

Page 2 of 4 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE		FEBRUARY 1995						
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS								
		MODIFICATION SUMMARY FOR C-130 AIRCRAFT (Cont'd.)								
DESCRIPTION		FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	
8. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)				28.236	38.152	28.534	85.122	10.924		
9. Lifeline (AC-130U, MC-130H)		6.492	8.580	1.692						
10. MC-130H Communications Upgrade			10.202	4.976	4.977					
11. Navigation Upgrades, Phase II (MC-130H)		3.759	.200							
12. FY 1990 Aircraft Modification Installations (AC-130H, HC-130P/N, MC-130E, C-141B)				5.551	5.661	4.969				
13. SOF Test Bed Program Depot Maintenance (C-130E (ACFT NR. 500))	2.100									
14. MC-130H Underbelly Protection Program				1.393	1.194					
15. AC-130U APU Upgrade				1.276						
16. MC-130H APU Upgrade				.565	1.791					
17. Other C-130 Outyear Modifications										
Note: No P3A documentation is provided for modifications starting after FY 1997.										
A. ALQ-172 Low Band Jammer Upgrade (AC-130U, MC-130E/H)								12.091	14.519	
B. P31 DIRCM (AC-130H/U, EC-130E, HC-130P/N, MC-130E/H)									15.922	
C. EC/HC DIRCM (EC-130E, HC-130P/N)								10.946	12.539	
D. AC-130H Upgrades							3.582	5.970	5.970	

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

EXHIBIT P-40 Budget Item Justification Sheet

Page 3 of 4 Pages

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE		FEBRUARY 1995							
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS									
MODIFICATION SUMMARY FOR C-130 AIRCRAFT (Cont'd.)											
	<u>DESCRIPTION</u>	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>		
E.	Low Light Level TV Replacement (AC-130H)					2.370	11.245	11.742	11.145		
F.	T56 Quick Engine Change Kits (AC-130H, MC-130E)						4.957	16.918	16.917		
G.	Gas Turbine Replacement (AC-130H, MC-130E)						1.820	2.897	5.274		
H.	HC-130 Upgrades						2.090	2.985	2.985		
I.	EC-130 Upgrades						.995	1.542	1.542		
J.	AC-130H LIDAR					4.478					
K.	ALE-47 Chaff and Flare Dispenser (AC-130H/U, EC-130E, HC-130P/N, MC-130E/H)							7.812	8.017		
L.	MC-130H Air Refueling Capability						10.648	11.941	18.609		
M.	AC-130U P3I						19.106	21.594	27.067		
N.	APR-46 Upgrades (AC-130H/U, MC-130E/H)							6.647	3.751		
	TOTAL	62.474	62.350	99.766	92.115	73.720	153.800	135.455	156.000		

P-1 SHOPPING LIST, ITEM NO. 49

Page 4 of 4 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2			B. Wpn Model/Series/Popular C-130 MODIFICATIONS			C. Manufacturer Name, Plant City/State Location TBD			DATE: FEBRUARY 1995	
	Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997
		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	
Weapon System Cost Elements											
AIRFRAMES/CFE											
ENGINE/ACCESSORIES											
a. CFE											
b. GFE											
ECO (All Flyaway Components)											
SERVICE REPORTS/PQDRs	N/A						10,651			12,539	
OTHER COSTS & ECO											
Subtotal FLYAWAY COST							10,651			12,539	
AIRFRAME PGSE											
ENGINE PGSE											
AVIONICS PGSE											
I LEVEL SUPPORT EQUIPMENT											
PUBLICATIONS/TECH. DATA											
INTERIM CONTRACTOR SUPPORT											
OTHER											
INITIAL SPARES											
Subtotal SUPPORT COST											
GROSS P-1 END COST							10,651			12,539	
LESS: PRIOR YR. ADV. PROC.											
NET P-1 FULL FUNDING COST							10,651			12,539	
Plus Current Year ADV. PROC.											
Other Non P-1 Weapon System Costs											
Initial Spares											
Modifications				62,474			99,766			92,115	
TOTAL				62,474			110,417			104,654	

P-1 SHOPPING LIST, ITEM NO. 49

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

UNCLASSIFIED

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DATE: FEBRUARY 1995

INDIVIDUAL MODIFICATION
MODIFICATION TITLE: APQ-170 RELIABILITY UPGRADES
MODELS OF SYSTEMS AFFECTED: MC-130H
DESCRIPTION/JUSTIFICATION:

This program funds a reliability and maintainability upgrade for the APQ-170 radar. The specific R&M package is a compilation of fixes to field reported problems and lab testing fixes determined under the main MC-130H Combat Talon II production effort. Modifications are form, fit, and function replacements for current radar components. All 66 radar equivalent ship sets will be retrofitted by the contractor. These 66 ship sets are comprised of 24 aircraft, six hot mock-ups, two sets in lab testing at the contractor facility, and 34 spare sets. These funds will be used to procure the upgrade kits and perform the actual retrofit. The installation schedule will be driven by failure rates. This was originally a single year buy, spread over three years by OUSD (C).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

(Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: (\$ in millions)

[illegible]

Installation of Hardware

PYs			0	0.0
FY95			0	0.0
FY96			0	0.0
FY97			0	0.0
FY98			0	0.0
FY99			0	0.0
			0	0.0
			0	0.0
			0	0.0

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE: _____

DELIVERY DATE: _____

P-1 SHOPPING LIST. ITEM NO. 49

ORGANIC		ADMINISTRATIVE LEADTIME: 9 MONTHS		PRODUCTION LEADTIME: 12 MONTHS	
Current Year:		Budget Year 1: 1/96		Budget Year 2: 1/97	
Current Year:		Budget Year 1: 1/97		Budget Year 2: 1/98	

Page 1 of 1
HIBIT P-3A

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE

MODELS OF SYSTEMS AFFECTED: AC-130H (ALQ-172), AC-130U, MC-130H (ECP-93 Upgrade)

DESCRIPTION/JUSTIFICATION:

Install the ALQ-172 low band jammer on the eight AC-130H and modifies the ALQ-172 to add a low band capability for the AC-130H in FY93-97. Also modifies the ALQ-172 with engineering change proposal-93 for all ALQ-172 installations (MC-130E/H, AC-130H/U) to provide increased memory and flightline reprogramming capability in FY98-01.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

PDR: Sep 94; CDR; Nov 94; 1st trial install: 4th Qtr FY95; 1st production install; 2nd Qtr FY97, (Aircraft Breakout: 0 ANG; 0 AFRES; 8 Active (Pave Mint); 59 ALQ-172)

FINANCIAL PLAN: (\$ in millions)[illegible]

PROCUREMENT

[illegible]

Installation of Hardware

[illegible]**Total Installation Cost**

Note: * Installation costs included PY NRE.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 49

DEPOT (PAVE MINT): ORGANIC (ECP-93)

Current Year: 2/95

Current Year: 4/96

ADMINISTRATIVE LEADTIME: 9 MONTHS

Budget Year 1: 2/96

Budget Year 1: 4/96

11.7
PRODUCTION, FABRICATION

Budget Year 3: 7/07

Budget Year 2: 2/97
Budget Year 3: 1/07

P-I SHOPPING LIST, ITEM NO. 49

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE

INSTALLATION SCHEDULE:

QUARTERS

INPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4
			1

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
	1	1	

QUARTERS

OUTPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4
		1	

FY 1997			
1	2	3	4
	1	1	

P-1 SHOPPING LIST, ITEM NO. 49

Page 2 of 3
Exhibit P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998			
	1	2	3	4
PY				
FY 95	1			
FY 96		1	1	1
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1999			
1	2	3	4
1			

FY 2000			
1	2	3	4

FY 2001			
1	2	3	4

TOT PGM
1
3
3
1

TO COMP

QUARTERS OUTPUT	FY 1998			
	1	2	3	4
PY				
FY 95	1			
FY 96		1	1	1
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1999			
1	2	3	4
1			

FY 2000			
1	2	3	4

FY 2001			
1	2	3	4

TOT PGM
1
3
3
1

TO COMP

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE

MODELS OF SYSTEMS AFFECTED: AC-130U, AC-130H

DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

Program modifies the optics on the AN/AAQ-17 Infrared Detection Set (IDS) currently installed on 21 AC-130H/U gunship aircraft. By taking advantage of new technologies, the magnification and resolution of the AAQ-17 IDS can be increased substantially allowing the aircraft to identify friendlies/targets while operating outside the range of threat systems. FY96 and FY97 funds for procurement of 21 enhanced AAQ-17 systems and associated data.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR: Jan 96; Flt Test: 4th Qtr FY96; 1st Prod install: 3rd Qtr FY97; Trial install: 3rd Qtr FY96; (Aircraft Breakout: 0 ANG: 0 AFRES: 21 Active)

FINANCIAL PLAN: (\$ in millions)

	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
	\$ Qty	\$ Qty	\$ Qty	\$ Qty	\$ Qty	\$ Qty	\$ Qty	\$ Qty	\$ Qty	\$ Qty
	0.3	5.1								5.4

RDT&E

PROCUREMENT

Installation Kits	19	9.4	19	9.4
Installation Kit Nonrecurring				
Equipment				
Equipment Nonrecurring	2	3.0	2	3.0
Engineering Change Orders				
Data		1.7	3.3	5.0
Support Equipment		4.1		4.1

Installation of Hardware

PYs					
FY95 2 AAQ-17 Systems		2	**		2
FY96 9 AAQ-17 Systems			9	**	9
FY97 10 AAQ-17 Systems				10	**
FY98					10
FY99					
FY00					
FY01					
To Complete					

Total Installation Cost

**** Installation costs funded upfront under Group A contract.**

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE: 1/06
CURRENT YEAR: 1/06
CURRENT TERM: 1/06

DELIVERY DATE: 3/96

P-1 SHOPPING LIST, ITEM NO. 49

METHOD OF IMPLEMENTATION:

CONTRACT DATE: Current Year: 3/95

DELIVERY DATE: 1/06
CURRENT YEAR: 1/06
CURRENT TERM: 1/06

METHOD OF IMPLEMENTATION:

CONTRACT DATE: Current Year: 3/95 **Budget Year 1: 3/96**

CONTRACT DATE:	CURRENT YEAR:	BUDGET YEAR:
DELIVERY DATE:	CURRENT YEAR: 1/06	BUDGET YEAR: 1/07

METHOD OF IMPLEMENTATION:	CONTRACTOR	ADMINISTRATIVE LEADTIME:	8 MONTHS
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CONTRACT DATE:		Current Year: 3/95	Budget Year 1: 3/96	Budget Year 2: VARIOUS

CONTRACT PARTS:	Current Year: 2006	Budget Year 1: 2007	Budget Year 2: 2008	Budget Year 3: 2009	Budget Year 4: 2010	Budget Year 5: 2011	Budget Year 6: 2012	Budget Year 7: 2013	Budget Year 8: 2014	Budget Year 9: 2015	Budget Year 10: 2016	Budget Year 11: 2017	Budget Year 12: 2018	Budget Year 13: 2019	Budget Year 14: 2020	Budget Year 15: 2021	Budget Year 16: 2022	Budget Year 17: 2023	Budget Year 18: 2024	Budget Year 19: 2025	Budget Year 20: 2026	Budget Year 21: 2027	Budget Year 22: 2028	Budget Year 23: 2029	Budget Year 24: 2030	Budget Year 25: 2031	Budget Year 26: 2032	Budget Year 27: 2033	Budget Year 28: 2034	Budget Year 29: 2035	Budget Year 30: 2036	Budget Year 31: 2037	Budget Year 32: 2038	Budget Year 33: 2039	Budget Year 34: 2040	Budget Year 35: 2041	Budget Year 36: 2042	Budget Year 37: 2043	Budget Year 38: 2044	Budget Year 39: 2045	Budget Year 40: 2046	Budget Year 41: 2047	Budget Year 42: 2048	Budget Year 43: 2049	Budget Year 44: 2050	Budget Year 45: 2051	Budget Year 46: 2052	Budget Year 47: 2053	Budget Year 48: 2054	Budget Year 49: 2055	Budget Year 50: 2056	Budget Year 51: 2057	Budget Year 52: 2058	Budget Year 53: 2059	Budget Year 54: 2060	Budget Year 55: 2061	Budget Year 56: 2062	Budget Year 57: 2063	Budget Year 58: 2064	Budget Year 59: 2065	Budget Year 60: 2066	Budget Year 61: 2067	Budget Year 62: 2068	Budget Year 63: 2069	Budget Year 64: 2070	Budget Year 65: 2071	Budget Year 66: 2072	Budget Year 67: 2073	Budget Year 68: 2074	Budget Year 69: 2075	Budget Year 70: 2076	Budget Year 71: 2077	Budget Year 72: 2078	Budget Year 73: 2079	Budget Year 74: 2080	Budget Year 75: 2081	Budget Year 76: 2082	Budget Year 77: 2083	Budget Year 78: 2084	Budget Year 79: 2085	Budget Year 80: 2086	Budget Year 81: 2087	Budget Year 82: 2088	Budget Year 83: 2089	Budget Year 84: 2090	Budget Year 85: 2091	Budget Year 86: 2092	Budget Year 87: 2093	Budget Year 88: 2094	Budget Year 89: 2095	Budget Year 90: 2096	Budget Year 91: 2097	Budget Year 92: 2098	Budget Year 93: 2099	Budget Year 94: 2100	Budget Year 95: 2101	Budget Year 96: 2102	Budget Year 97: 2103	Budget Year 98: 2104	Budget Year 99: 2105	Budget Year 100: 2106	Budget Year 101: 2107	Budget Year 102: 2108	Budget Year 103: 2109	Budget Year 104: 2110	Budget Year 105: 2111	Budget Year 106: 2112	Budget Year 107: 2113	Budget Year 108: 2114	Budget Year 109: 2115	Budget Year 110: 2116	Budget Year 111: 2117	Budget Year 112: 2118	Budget Year 113: 2119	Budget Year 114: 2120	Budget Year 115: 2121	Budget Year 116: 2122	Budget Year 117: 2123	Budget Year 118: 2124	Budget Year 119: 2125	Budget Year 120: 2126	Budget Year 121: 2127	Budget Year 122: 2128	Budget Year 123: 2129	Budget Year 124: 2130	Budget Year 125: 2131	Budget Year 126: 2132	Budget Year 127: 2133	Budget Year 128: 2134	Budget Year 129: 2135	Budget Year 130: 2136	Budget Year 131: 2137	Budget Year 132: 2138	Budget Year 133: 2139	Budget Year 134: 2140	Budget Year 135: 2141	Budget Year 136: 2142	Budget Year 137: 2143	Budget Year 138: 2144	Budget Year 139: 2145	Budget Year 140: 2146	Budget Year 141: 2147	Budget Year 142: 2148	Budget Year 143: 2149	Budget Year 144: 2150	Budget Year 145: 2151	Budget Year 146: 2152	Budget Year 147: 2153	Budget Year 148: 2154	Budget Year 149: 2155	Budget Year 150: 2156	Budget Year 151: 2157	Budget Year 152: 2158	Budget Year 153: 2159	Budget Year 154: 2160	Budget Year 155: 2161	Budget Year 156: 2162	Budget Year 157: 2163	Budget Year 158: 2164	Budget Year 159: 2165	Budget Year 160: 2166	Budget Year 161: 2167	Budget Year 162: 2168	Budget Year 163: 2169	Budget Year 164: 2170	Budget Year 165: 2171	Budget Year 166: 2172	Budget Year 167: 2173	Budget Year 168: 2174	Budget Year 169: 2175	Budget Year 170: 2176	Budget Year 171: 2177	Budget Year 172: 2178	Budget Year 173: 2179	Budget Year 174: 2180	Budget Year 175: 2181	Budget Year 176: 2182	Budget Year 177: 2183	Budget Year 178: 2184	Budget Year 179: 2185	Budget Year 180: 2186	Budget Year 181: 2187	Budget Year 182: 2188	Budget Year 183: 2189	Budget Year 184: 2190	Budget Year 185: 2191	Budget Year 186: 2192	Budget Year 187: 2193	Budget Year 188: 2194	Budget Year 189: 2195	Budget Year 190: 2196	Budget Year 191: 2197	Budget Year 192: 2198	Budget Year 193: 2199	Budget Year 194: 2200	Budget Year 195: 2201	Budget Year 196: 2202	Budget Year 197: 2203	Budget Year 198: 2204	Budget Year 199: 2205	Budget Year 200: 2206	Budget Year 201: 2207	Budget Year 202: 2208	Budget Year 203: 2209	Budget Year 204: 2210	Budget Year 205: 2211	Budget Year 206: 2212	Budget Year 207: 2213	Budget Year 208: 2214	Budget Year 209: 2215	Budget Year 210: 2216	Budget Year 211: 2217	Budget Year 212: 2218	Budget Year 213: 2219	Budget Year 214: 2220	Budget Year 215: 2221	Budget Year 216: 2222	Budget Year 217: 2223	Budget Year 218: 2224	Budget Year 219: 2225	Budget Year 220: 2226	Budget Year 221: 2227	Budget Year 222: 2228	Budget Year 223: 2229	Budget Year 224: 2230	Budget Year 225: 2231	Budget Year 226: 2232	Budget Year 227: 2233	Budget Year 228: 2234	Budget Year 229: 2235	Budget Year 230: 2236	Budget Year 231: 2237	Budget Year 232:
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METHOD OF IMPLEMENTATION:

CONTRACTOR

ADMINISTRATIVE LEADTIME: 8 MONTHS

PRODUCTION LEADTIME: 12 MONTHS

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY																
FY 95																
FY 96																
FY 97											2				4	5
FY 98																
FY 99																
FY 2000																
FY 2001																

QUARTERS OUTPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY																
FY 95																
FY 96																
FY 97												2				
FY 98															4	5
FY 99																
FY 2000																
FY 2001																

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		2
FY 97																		19
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: APQ-122(V) BAND RADAR UPDATE

MODELS OF SYSTEMS AFFECTED: MC-130E

DESCRIPTION/JUSTIFICATION:

The current APQ-122(V) - 8 X band terrain avoidance radar has a low reliability of approximately 24 hours mean time between failures (MTBF). The lack of spares and reliable assemblies has complicated the management of this system. This upgrade will significantly increase the reliability and maintainability of the APQ 122 by increasing the MTBF to 40 hours.

DATE: FEBRUARY 1995

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

PDR: Sep 93; CDR: Jan 94; 1st trial install: Mar 94; 1st production install: Oct 94. (Aircraft Breakout: 0 ANG; 0 AFRES; 14 Active)

FINANCIAL PLAN: (\$ in millions)

PYs	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	TC	Qty	\$	TOTAL
9	5.5	4	2.7													8.2
1	2.5															1
	10.5		6.3													2.5
	7.5															16.8
	2.0															7.5
	0.5		0.3													2.0
	1.9															0.8
	0.5															1.9
			1.3													0.5
																1.3

RDT&E

PROCUREMENT

Installation Kits	9	5.5	4	2.7													
Installation Kit Nonrecurring	1	2.5															
Equipment		10.5		6.3													
Equipment Nonrecurring		7.5															
Engineering Change Orders		2.0															
Data		0.5		0.3													
Training Equipment		1.9															
Support Equipment		0.5															
Interim Contractor Support				1.3													

Installation of Hardware

PYs	1	*	9	0.8													
FY95			4	0.4													
FY96																	
FY97																	
FY98																	
FY99																	
FY00																	
FY01																	
To Complete																	
Total Installation Cost	1		13	1.2												14	1.2

* Installation Cost Funded Under NRE

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 49

DEPOT (9), CFT (4)

Current Year: 2/95

Current Year: 4/95

ADMINISTRATIVE LEADTIME: 9 MONTHS

Budget Year 1: 2/96

Budget Year 1:

PRODUCTION LEADTIME: 6 MONTHS

Budget Year 2:

Budget Year 2:

42.7

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: APQ-122(V) BAND RADAR UPDATE

INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1994			
	1	2	3	4
PY		1		
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4
2	2	2	3
			4

FY 1997			
1	2	3	4

QUARTERS
OUTPUT

FY 1994			
1	2	3	4
		1	

FY 1995			
1	2	3	4
	2	2	2

FY 1997			
1	2	3	4

FY 1996			
1	2	3	4

FY 1996			
1	2	3	4
3			
4			

P-1 SHOPPING LIST, ITEM NO. 49

Page 2 of 3
Exhibit P-3A

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: APQ-122(V) BAND RADAR UPDATE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		10
FY 95																		4
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		10
FY 95																		4
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: APR-46 TOP MOUNT ANTENNA

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

The APR-46 enables the Electronic Warfare Officer (EWO) to view the entire threat arena and detect threats thereby reducing the amount of time it takes to detect and define a potential threat situation. These funds will procure and install 24 WJ 48955-1 High Band Antennas on 24 MC-130H aircraft. These antennas are required to improve reception at extremely low altitudes. The modification will be accomplished by a depot field team.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

PDR: Sep 94; CDR; Nov 94; (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: (\$ in millions)

[illegible]

RDT&E

PROCUREMENT

Installation Kits	24	1.9	24	1.9
Installation Kit Nonrecurring		0.7		0.7
Equipment		0.3		0.3
Equipment Nonrecurring				
Engineering Change Orders		0.2		0.2
Data		0.2		0.2
Interim Contractor Support		1.0	0.5	1.5

Installation of Hardware

[illegible]**Total Installation Cost**

**** Installation funding obligated under basic contract.**

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

1

Current Year: 2/96

Current Year: 2/96

CONTRACTOR

Current Year: 3/95

Current Year: 2/96

2
3
4

Budget Year 1: 2/96

Budget Year 1: N/A

9 MONTHS

Budget Year 2: 2/07

Budget Year 2: 2197

Budget Year 3: N/A

PRODUCTION LEAD TIME:

8 MONTHS

5.4

P-1 SHOPPING LIST, ITEM NO. 49

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: APR-46 TOP MOUNT ANTENNA

INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4

QUARTERS
OUTPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: APR-46 TOP MOUNT ANTENNA

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		24

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		24

P-1 SHOPPING LIST, ITEM NO. 49

Page 3 of 3
Exhibit P-3A

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: CENTER WING REPLACEMENT

MODELS OF SYSTEMS AFFECTED: MC-130E/AC-130H/HC-130P/N

DESCRIPTION/JUSTIFICATION:

Replaces center wing on the MC-130E Combat Talon I, AC-130H Gunships and HC-130P/N tanker aircraft. Cracks, which substantiate the requirement to replace the center wing, have been found in spar caps at butt line 61. Cracks and crack growth in this critical structural area can be difficult to detect and the probability for their development is high given the low altitude flight profiles of the SOF fleet. This modification will extend the service life of the aircraft past the year 2010. FY96, FY97 and FY98 funds for center wing installations.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Trial install and kit proof complete. (Aircraft Breakout: 0 ANG:0 AFRES:50 Active)

FINANCIAL PLAN: (\$ in millions)

[illegible]

RDT&E

PROCUREMENT

Installation Kits	50	89.8	50	89.8
Installation Kit Nonrecurring		14.0		
Equipment				14.0
Equipment Nonrecurring				
Engineering Change Orders				
Data		1.3		1.3
Support Equipment		3.9		3.9
Other				

Installation of Hardware

[illegible]

Total Installation Cost	15	42.9	11
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* Per OSD(C) guidance, the FY95 kit install costs accomplished with prior year funds.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST. ITEM NO. 49

DEPOT AND CONTRACTOR FACILITY

Current Year: 1/95

Current Year: N/A

ADMINISTRATIVE LEADTIME: 24 MONTHS

Budget Year 1: VARIOUS

Budget Year 1: VAPIONS

24 MONTHS

PRODUCED

POOR

1.6/1

DISCUSSION

24 MONTHS

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT
INSTALLATION SCHEDULE: (NOTE: 3 aircraft were input in FY93)

QUARTERS
INPUT

	FY 1994			
	1	2	3	4
PY	3	3	3	3
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4
3	3	3	2

FY 1996			
1	2	3	4
2	3	3	3

FY 1997			
1	2	3	4
2	2	2	2

QUARTERS
OUTPUT

FY 1994			
1	2	3	4
		3	3

FY 1995			
1	2	3	4
3	3	3	3

FY 1996			
1	2	3	4
3	3	2	2

FY 1997			
1	2	3	4
3	3	3	2

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT
 INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY	1	1	2	1														50
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY	2	2	2	1	1	2	1											50
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM
MODELS OF SYSTEMS AFFECTED: AC-130H, AC-130U, MC-130H, MC-130E
DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

Provides 59 SOF C-130 aircraft with a Directional Infrared Countermeasure (DIRCM) system capability. The DIRCM system will work in conjunction with other onboard self protection systems to enhance the aircraft's survivability against infrared guided missiles. Execution of this program is in concert with a joint United Kingdom/United States cooperative development/production effort.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR, May 95; 1st trial install: 4th Qtr FY95; 1st production install; 1st Qtr FY97. (Aircraft Breakout: 0 ANG; 0 AFRES; 59 Active)
FINANCIAL PLAN: (\$ in millions)

PYS		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
22.0	22.0	23.6	23.6	9.5	9.5	3.9	3.9												59.0
5.1	5.1																		
ADVANCE PROCUREMENT																			
PROCUREMENT																			
Group A Kits		12	9.0	14	10.5	10	7.5	23	17.3									59	44.3
Group A Kit Nonrecurring																			
Group B Kits		12	12.4	14	15.1	10	10.5	23	25.7									59	63.7
Group B Kit Nonrecurring																			
Engineering Change Orders				1.0	1.3	0.9	0.9	4.1											7.3
Data				0.6	0.7	0.5	0.5	1.1											2.9
Support Equipment				2.5	3.1	3.8	3.8	8.1											17.5
Other																			
Equipment (Other)				1.7	2.5	3.3	3.3	26.1											42.8
Interim Contractor Support				1.0	2.4														3.4
Installation of Hardware																			
PYS																			
FY95																			
FY96 - Install 12 DIRCM Kits				12	1.8													12	1.8
FY97 - Install 14 DIRCM Kits				5	.8	9	1.4											14	2.2
FY98 - Install 10 DIRCM Kits						4	0.6	6	0.9									10	1.5
FY99 - Install 23 DIRCM Kits								12	1.8	11	1.7							23	3.5
FY00																			
FY01																			
To Complete																			
Total Installation Cost				17	2.6	13	2.0	18	2.7	11	1.7							59	9.0

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 49

CONTRACTOR FIELD TEAM

Current Year:

Current Year:

190.9

PRODUCTION LEADTIME: 6 MONTHS

Budget Year 2: 1/97

Budget Year 2: 3/97

10.9

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 3/96

Budget Year 1: 1/97

28.2

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 3/96

Budget Year 1: 1/97

85.1

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 3/96

Budget Year 1: 1/97

190.9

PRODUCTION LEADTIME: 6 MONTHS

Budget Year 2: 1/97

Budget Year 2: 3/97

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

P-1 SHOPPING LIST, ITEM NO. 49

Page 2 of 3
Exhibit P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		12
FY 98	3	3	3															14
FY 99				1	3													10
FY 2000									6	5								23
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97	2																	12
FY 98	3	3	3	3														14
FY 99				1														10
FY 2000									6	6	3							23
FY 2001																		

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

UNCLASSIFIED

DATE: FEBRUARY 1995

INDIVIDUAL MODIFICATION
 MODIFICATION TITLE: LIFELINE
 MODELS OF SYSTEMS AFFECTED: AC-130U, MC-130H
 DESCRIPTION/JUSTIFICATION:

The FY95 President's Budget listed this effort as two separate modifications: Combat Talon II Lifeline and AC-130U Lifeline. Modifies 13 AC-130U and 20 MC-130H SOF aircraft with ALE-40 Chaff/Flare Dispenser Systems, and rewrites 4 remaining MC-130H aircraft to final SOF-common Lifeline configuration. This modification will enhance the AC/MC-130 self-protection capability against advanced infrared threats.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

(Aircraft Breakout: 0 ANG; 0 AFRES; 37 Active)

FINANCIAL PLAN: (\$ in millions)

	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E										1.5
PROCUREMENT										1.5

RDT&E

PROCUREMENT

Installation Kits	14	3.1	22	4.6						36	7.7
Installation Kit Nonrecurring	1	1.4								1	1.4
Equipment		0.8		1.6							2.4
Equipment Nonrecurring											
Data		0.7		1.2							1.9

Installation of Hardware

PYs - Install 15 Lifeline Kits	4	0.5	11	1.2						15	1.7
FY95 - Install 22 Lifeline Kits			22	1.7						22	1.7
FY96											
FY97											
FY98											
FY99											
FY00											
FY01											
To Complete - Install 8 Lifeline Kits											
Total Installation Cost	4	0.5	11	1.2	22	1.7				37	3.4

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 49

CONTRACTOR FIELD TEAMS

Current Year: 2/95

Current Year: 1/96

1.7

6.5

8.6

1.7

ADMINISTRATIVE LEADTIME:

12 MONTHS

Budget Year 1: N/A

Budget Year 2: N/A

PRODUCTION LEADTIME:

9 MONTHS

16.8

UNCLASSIFIED

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: LIFELINE
INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1994			
	1	2	3	4
PY	4			
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

	FY 1995			
	1	2	3	4
		4	4	3

	FY 1996					
	1	2	3	4		
	5	6	5	6		

	FY 1997			
	1	2	3	4

QUARTERS
OUTPUT

	FY 1994			
	1	2	3	4
PY	4			
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

	FY 1995			
	1	2	3	4
		4	4	3

	FY 1996					
	1	2	3	4		
	5	6	5	6		

	FY 1997			
	1	2	3	4

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: LIFELINE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		15
FY 95																		22
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		15
FY 95																		22
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MC-130H COMMUNICATIONS UPGRADE

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

This modification funds the integration of the following Air Force communications initiatives into the MC-130H: Single Channel Ground and Air Radio System (SINGARS); Narrow Band Satellite Communications; and Automatic Communications Processor (ACP). The Group B will be provided as government furnished equipment to the program from these initiatives. FY95 dollars will fund the nonrecurring engineering (NRE) for the integration of the Group B and upfront procurement of the two shipsets for the trial install and kit proof.

DATE: FEBRUARY 1995

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review (PDR): Jul 96; Critical Design Review (CDR): Dec 96; Trial install: 1st Qtr FY96; Flight Test: Jan 96; Kit Proof; 3rd Qtr FY96; 1st Production Install: 4th Qtr FY96. (Aircraft Breakout: 0 ANG; 0 AFES; 24 Active)

FINANCIAL PLAN: (\$ in millions)

PYs	Qty	\$	Qty	\$	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	Qty	\$	Qty	\$	TOTAL
-----	-----	----	-----	----	------	------	------	------	------	------	------	----	-----	----	-----	----	-------

RDT&E

PROCUREMENT

Installation Kits						6	1.4	16	3.8								22	5.2
Installation Kit Nonrecurring			2	9.0			2.1										2	11.1
Equipment				1.2														1.2
Equipment Nonrecurring																		
Engineering Change Orders																		
Data																		
Support Equipment							1.0											1.0
							0.1											0.1
Installation of Hardware																		

PYs																		
FY95 - 1st Trial Install & Kit Proof			2	*														2
FY96 - 6 Comm Kits			6	0.4													6	0.4
FY97 - 16 Comm Kits						16	1.2										16	1.2
FY98																		
FY99																		
FY00																		
FY01																		
To Complete																		
Total Installation Cost			8	0.4		16	1.2										24	1.6

* Installation of Trial Install and Kit Proof Funded Under NRE

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 49

DEPOT

Current Year: 3/95

Current Year: 1/96

10.2

5.0

Budget Year 1: 1/96

Budget Year 1: 4/96

ADMINISTRATIVE LEADTIME: 9 MONTHS

Budget Year 2: 1/97

Budget Year 2: 2/97

PRODUCTION LEADTIME: 6 MONTHS

20.2

UNCLASSIFIED

UNCLASSIFIED

INSTALLATION SCHEDULE:

QUARTERS
INPUTFY 1995FY 1996FY 1997QUARTERS
OUTPUTFY 1995FY 1996FY 1997Page 2 of 3
Exhibit P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MC-130H COMMUNICATIONS UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		2
FY 96																		6
FY 97																		16
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		2
FY 96																		6
FY 97	4																	16
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

INDIVIDUAL MODIFICATION

MODELS OF SYSTEMS AFFECTED: HC-130P/N, AC-130H, MC-130E, C-141B

DESCRIPTION/JUSTIFICATION:

This program funds installations for 36 Night Vision Imaging Systems (NVIS), 2 Cargo Dual Actuators (CDA) for the AC-130H, and 16 Special Operations Force Improvements (SOFI) kits for the HC-130 aircraft. All kits procured with FY90 or prior dollars. Installation funds are programmed in installation years per OSD (C) 13 Jun 94 direction.

DATE: FEBRUARY 1995

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

[illegible]

RDT&E

PROCUREMENT

[illegible]

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 49

ADMINISTRATIVE LEADTIME: 3 MONTHS

Budget Year 1: VARIOUS

Budget Year 2: VARIOUS

Budget Year 2:

PRODUCTION LEADTIME: N/A

1907

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS
MODIFICATION TITLE: FY90 AIRCRAFT MOD INSTALLATIONS
INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4
6	6	6	7

FY 1997			
1	2	3	4
4	5	4	5

QUARTERS
OUTPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4
	5	5	5

FY 1997			
1	2	3	4
6	6	4	3

P-1 SHOPPING LIST, ITEM NO. 49

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: FY90 AIRCRAFT MOD INSTALLATIONS

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY	3	3	3	2													54	
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY	6	4	2	3	3	1	1										54	
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM
MODELS OF SYSTEMS AFFECTED: MC-130H
DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

Program modifies 24 MC-130H aircraft with a retractable shield, mounted on the lower fuselage, to protect the aircraft's electronic countermeasures and communication sensors/antennas during unimproved landing zone operations. This modification is required to improve mishap survivability and reduce life-cycle cost by minimizing damage to the aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

(Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: (\$ in millions)

[illegible]

RDT&E

PROCUREMENT

[illegible]

Installation of Hardware

PYs						
FY95						
FY96 - Install 14 Kits		14	0.2			14 0.2
FY97 - Install 10 Kits				10	0.2	10 0.2
FY98						
FY99						
FY00						
FY01						
To Complete		14	0.2	10	0.2	24 0.4
Total Installation Cost						

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 49

CONTRACTOR FIELD TEAMS

Current Year:

Current Year:

CONTRACTOR FIELD TEAMS

Budget Year 1: 2/96

Budget Year 1: 3/96

ADMINISTRATIVE LEADTIME: 2 MONTHS

Budget Year 3: 1/07

Budget Year 2: 2/07

PRODUCTION LEADTIME: 3 MONTHS

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM
INSTALLATION SCHEDULE:

QUARTERS
INPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4
	5	5	4

FY 1997			
1	2	3	4
	4	4	2

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

QUARTERS
OUTPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4
		5	5

FY 1997			
1	2	3	4
4			
		4	4

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM
 INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		14
FY 97																		10
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		14
FY 97	2																	10
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995	
P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS ADVANCE PROCUREMENT			
		FY94	FY95
		FY96	FY97
		FY98	FY99
		FY00	FY01
QUANTITY			
COST (In Millions \$)	5.101		
<p>MISSION AND DESCRIPTION: Program provides for advance procurement of the Directional Infrared Countermeasures System (DIRCM) which will be installed on 59 Special Operations Forces C-130 aircraft. The DIRCM system will work in conjunction with other onboard self-protection systems to enhance the aircraft's survivability against infrared guided missiles. Execution of this program is in concert with a joint United Kingdom/United States cooperative development/production effort.</p> <p>FY 1996 PROGRAM JUSTIFICATION: None.</p> <p>FY 1997 PROGRAM JUSTIFICATION: None.</p>			
MODIFICATION SUMMARY FOR C-130 AIRCRAFT			
<u>DESCRIPTION</u>	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>
1. DIRCM (advance buy)		5.101	
	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
			<u>FY 00</u>
			<u>FY 01</u>

P-1 SHOPPING LIST, ITEM NO. 50

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Page 1 of 1 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, Dollars in Thousands)				BUDGET YEAR 2 FOR FISCAL YEAR PROGRAM 1995		
Weapon System Type (Model/Series No.) United Kingdom/United States (UK/US) Directional Infrared Countermeasures (DIRCM) System				DATE: FEBRUARY 1995		
FIRST SYSTEM AWARD DATE		FIRST SYSTEM COMPLETION DATE		Interval Between System Completions (Months)		
TBD		TBD		TBD		
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. CFE DIRCM	TBD	UK FY96 TBD	TBD	TBD	TBD	5.101
2. GFE						
3. SUBTOTAL						5.101
4. EOQ						
5. (CFE)						
6. (GFE)						
7. SUBTOTAL						
8. DESIGN						
9. OTHER						
10. TOTAL						5.101
NARRATIVE DESCRIPTION						
UK/US DIRCM now in source selection in UK under auspices of UK law. Specific items, dates, deliveries, production leads, and unit costs are source selection sensitive until contract award on/or about 1 MAR 1995. Data requested is not releasable by direction of UK Ministry of Defence, Procurement Executive until contract award. Detailed data can be submitted after UK contract award.						

P-1 SHOPPING LIST, ITEM NO. 50

UNCLASSIFIED

EXHIBIT P-10, Weapon System Advance Procurement Analysis/Justification

Page 1 of 1 Pages

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET										DATE	FEBRUARY 1995
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE OH-6 PROCUREMENT & MODIFICATIONS									
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01			
QUANTITY		5		5							
COST (In Millions \$)		7.329		8.396							
<p>MISSION AND DESCRIPTION: The H-6J McDonnell Douglas 530FF is commercially acquired and modified for Special Operations use. These aircraft are required to replace the current obsolete fleet (1968/1969) of 13 OH6C aircraft in the Special Operations Aviation Training Company (SOATC). The SOATC is required to train special operations pilots in navigational skills and provide transition training for newly recruited pilots. The H-6J aircraft's low cost per flying hour (\$189 per hour) provides navigational skills training cheaper than doing initial training on MH-60 (\$1,470 per hour) or MH-47 (\$2,017 per hour) aircraft. Delivery of these aircraft ensures a standard aircraft across the H-6J fleet, commonality between training and mission aircraft, and parts authorized stockage list (ASL)/prescribed load list (PLL). Parts for the OH-6C are no longer in the Army system and must be obtained through individual contracts with commercial vendors which increases cost. Overall, this procurement reduces the number of aircraft required in the SOATC from 21 Primary Aircraft Trainers (PAT) consisting of 15 OH-6C, 3 AH-6, and 3 MH-6 to 12 PAT, all MH-6s/AH-6s (10 new aircraft and 2 aircraft from existing operational fleet). Increase of ten H-6J aircraft requires corresponding ten percent spares authorization due to high training operational tempo.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures remaining five H-6J aircraft.</p>											

P-1 SHOPPING LIST, ITEM NO. 53

UNCLASSIFIED

EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 1 Page

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2			B. Wpn Model/Serial/Popular Name OH-6 PROCUREMENT & MODS			C. Manufacturer Name, Plant City/State Location HUGHES/ McDonnell Douglas, St. Louis, MO			DATE: FEBRUARY 1995		
	Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997	
		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	QTY	Total Cost
Weapon System Cost Elements												
AIRFRAMES/CFE	A				900.000	5	4,500			1,029,400	5	5,147
ENGINE/ACCESSORIES												
AVIONICS												
a. CFE	A						1,120					1,280
b. GFE	A						155					175
ARMAMENT												
OTHER GFE	A						366					420
ECO (All Flyaway Components)												
NON-RECURRING COSTS												
(Tooling)												
(Other)												
OTHER COSTS												
Subtotal FLYAWAY COST							1,188					1,374
							7,329					8,396
AIRFRAME PGSE												
ENGINE PGSE												
AVIONICS PGSE												
PECULIAR TRAINING EQUIPMENT												
PUBLICATIONS/TECH. DATA												
ECO (All Support Items)												
OTHER (OH-6ISOATC)												
Subtotal SUPPORT COST												
GROSS P-1 END COST							7,329					8,396
LESS: PRIOR YR. ADV. PROC.												
NET P-1 FULL FUNDING COST							7,329					8,396
Plus Current Year ADV. PROC.												
Other Non P-1 Weapon System Costs												
Initial Spares												
Modifications												
TOTAL							7,329					8,396

P-1 SHOPPING LIST, ITEM NO. 53

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE OH-6 PROCUREMENT & MODIFICATIONS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. OH-6 PROCUREMENT & MODIFICATIONS										
FY 95	McDonnell Douglas Helicopter Systems Mesa, AZ	SS/FP	TAPO, St. Louis, MO	JAN 95	SEP 95	5	900,000	YES	NO	
FY 97	McDonnell Douglas Helicopter Systems Mesa, AZ	OPTION	TAPO, St. Louis, MO	OCT 96	JAN 97	5	1,029,000	YES	NO	

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BUDGET ITEM JUSTIFICATION SHEET				DATE		FEBRUARY 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT						
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)	23.184	39.735	5.946	11.593	.498	.498	.498	.498
MISSION AND DESCRIPTION: This program provides for various types of equipment required to support Special Operations Forces (SOF) aircraft. A more detailed description and justification of the requirements are as follows:								
1. ACQUISITION PROGRAMS								
A. Ring Laser Gyros (RLG). This program replaces outdated Inertial Navigation Units with new RLG technology on Force Activity Designator (FAD) 1 SOF aircraft. This replacement increases the reliability of these weapon systems; reduces maintenance and support requirements; and enhances navigation and delivery capabilities.								
FY 1996 PROGRAM JUSTIFICATION: Procures 24 RLGs for MC-130E and MC-130H aircraft.								
B. Aircrew Training System (ATS). SOF ATS supports initial aircraft and mission qualification, continuation training, upgrade training, and combat mission rehearsal. It is contractor operated and maintained. It is composed of weapon system trainers, mission rehearsal devices, part task trainers, computer-based training equipment, logistics support packages, courseware, and contractor provided instruction for all crew members. SOF ATS provides a mix of academics, simulator training, and flight training to produce combat qualified crew members.								
FY 1996 PROGRAM JUSTIFICATION: Procures Weapon System Trainer (WST) and Mission Rehearsal Device (MRD) spares.								
FY 1997 PROGRAM JUSTIFICATION: Procures WST and MRD spares.								

P-1 SHOPPING LIST, ITEM NO. 54

Page 1 of 3 Pages

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT		
<p>C. AAQ-17 Enhanced FLIR. Funds for three two-field-of-view AAQ-17 enhanced Infrared Detection Sets (IDS). This procurement responded to an urgent combat mission requirement for AC-130H aircraft.</p> <p>D. Interim Contractor Support (ICS). Funds maintenance and support of new end items until the item can be supported organically. These funds are also used to control capital investments in logistic support while requirements are being refined; technical problems resolved; and design stabilized. MC-130H, AC-130U, and C-130 Modification ICS funding have been realigned to the respective program documentation.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds for the following fixed wing modification programs and/or aircraft sub-systems: C-141B Special Operations Low Level II; ASD-5 replacement on the AC-130H; and Integrated Defensive Avionics System (IDAS).</p> <p>FY 1997 PROGRAM JUSTIFICATION: Funds ICS for the ASD-5 replacement on the AC-130H.</p> <p>E. Aircraft Initial Spares. Effective FY 1996, these monies are requested under the new Spares and Repair Parts P-1 line.</p> <p>2. SUSTAINMENT PROGRAMS</p> <p>A. SOF Command and Control (C2) Aircraft. This is the SOF C2 aircraft modified with suitable secure communications necessary for USSOCOM to perform its mission. This aircraft is responsive to contingency operations and capable of rapid, world-wide deployment. The aircraft transports personnel required for C2 operations and allows them to interface with other theater staffs. Funding is required in order to comply with anticipated Federal Aviation Agency (FAA) continuing aging aircraft modification requirements. This aircraft is a modified commercial Boeing 707 and must be kept current with applicable FAA service bulletins, airworthiness directives, safety supplemental inspection directives, and time compliance technical orders.</p>		

P-1 SHOPPING LIST, ITEM NO. 54

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Page 2 of 3 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT	FEBRUARY 1995
<p>2. SUSTAINMENT PROGRAMS (Cont'd.)</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds for communications upgrades.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Funds procurement of downsized replacement for the current Boeing 707 aircraft. This replacement will be smaller, more reliable, more fuel efficient and easier to maintain than the current system.</p>		

P-1 SHOPPING LIST, ITEM NO. 54

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Page 3 of 3 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Aviation		A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Line Item Nomenclature AIRCRAFT SUPPORT				C. DATE: FEBRUARY 1995				
Weapon System Cost Elements		Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997		
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. ACQUISITION PROGRAMS														
A. RING LASER GYRO		A				102,056	72	7,348	102,375	24	2,457			
B. AIRCREW TRNG. SYSTEM (Sec P43)		A			1,086			3,877			2,045			
C. AAQ-17 ENHANCED FLIR		A			5,160									
D. INTERIM CONTRACTOR SUPPORT		N/A			14,296			22,966						
(1) ASD-5 Recon Set											697			647
(2) SOLL II											249			
E. AIRCRAFT INITIAL SPARES		A			2,030			4,900						
Subtotal					22,372			39,091			5,448			647
2. SUSTAINMENT PROGRAMS														
A. SOF C2 AIRCRAFT		N/A			612			644			498			10,946
Subtotal					612			644			498			10,946

P-1 SHOPPING LIST, ITEM NO. 54

UNCLASSIFIED

Page 1 of 1 Page
EXHIBIT P-5, Weapon System Cost Analysis

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		C. P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT								
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. ACQUISITION PROGRAMS										
A. RING LASER GYRO										
FY 95	Honeywell/Liton	SS/FFP	OC-ALC	JUN 95	DEC 96	72	102.056	YES	NO	
FY 96	Honeywell/Liton	SS/FFP	OC-ALC	JUN 96	DEC 97	24	102.375	YES	NO	
D. REMARKS:										

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)							DATE: FEBRUARY 1995		
Appropriation/P-1 Line Item Procurement, Defensewide/Aircraft Support			Weapon System Special Operations Forces				Equipment Nomenclature Aircrew Training System (ATS)		
Fin Plan	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	Total
Quantity	2	0	0	0	0	0	0		
Procurement	57,872	3,877	2,045						63,794
RDT&E	146,988	38,441	18,410	4,478	249	249			208,815
O&S	13,858	8,100							21,958

This project will develop an integrated, state-of-the-art Special Operations Forces (SOF) aircraft, ground-based Aircrew Training System (ATS) to support initial aircraft, mission, and special qualification, continuation training, upgrade training, and combat mission rehearsal requirements for the MC-130E and MC-130H. The ATS requirement was driven by the lack of formal schools for the majority of SOF crew members represented in the seven Air Force Special Operations Forces (AFSOF) aircraft and the absence of multi-aircraft, integrated, real-time combat mission rehearsal capability for SOF aircrews. Existing training rehearsal restrictions caused by airspace/weather, critical mission safety, and security considerations require the capability to rehearse extremely sensitive missions of the highest national priority in other than actual aircraft. Increasing operational taskings, joint maneuver training, and the extensive crew member training workload for initial, continuation, mission, special mission and upgrade training for 14 crew positions in the seven AFSOF aircraft have all contributed to the need for this comprehensive training capability. Decreasing crew member experience levels in all crew positions also exacerbates the need for this capability. SOF ATS is the cost effective approach for providing training and fixed site aircrew integrated mission rehearsal capability. The solution to this multifaceted problem is a contractor operated and maintained SOF ATS composed of Weapon System Trainers, Mission Rehearsal Devices, part task trainers, maintenance trainers, academics, simulator training, and aircraft flight training to produce combat qualified crew members that are guaranteed by the contractor. This system will also provide combat mission rehearsal capability allowing SOF aircrews to rehearse highly classified, real-world missions of the highest national priority within 48 hours of tasking by the National Command Authority.

EXHIBIT - P-43, Page 1 of 3
P-43 Simulator & Training Device Justification

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REMARKS:
**** WST - Weapon System Trainer**
***** MRD - Mission Rehearsal Device**

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)										DATE: FEBRUARY	
Training Device by Type Aircrew Training System (ATS)				Weapon System Special Operations Forces							
Description/Justification: A contractor-managed, simulator-type aircrew training system which produces a qualified aircrew member. Funds procurement and deployment of a trainer, mission rehearsal device, and imagery support system, providing real-world mission rehearsal capability for MC-130 aircraft. The imagery support system consists of both Mission Rehearsal Imagery Support System (MRISS) and a Data Base Generation System (DBGS).											
Financial Plan	Prior Years		FY 1995		FY 1996		FY 1997		Cost to Complete		Total Cost
	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	
HARDWARE COSTS											
Device (Hardware)	2	36,378									
ECOs											
Nonrecurring											
GFE											
Other (MRISS,TMS,DBGS)		13,976									13,976
Total Hardware Costs	2	50,354							2		50,354
SUPPORT COSTS											
Special SE (SOFPREP)		1,086									1,086
Integrated Log Support		4,025									4,025
Other (Spares/Data/Misc.)		1,737		3,877		2,045					7,659
Total Support Costs		6,848		3,877		2,045					12,770
Software/Courseware		670									670
TOTAL COSTS	2	57,872		3,877		2,045			2		63,794

P-1 Shopping List Item No. 54

EXHIBIT P-43, Page 3 of 3
P-43 Simulator & Training Device Justification

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BUDGET ITEM JUSTIFICATION SHEET		DATE							
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995							
P-1 ITEM NOMENCLATURE ADVANCED SEAL DELIVERY SYSTEM (ASDS) ADVANCE PROCUREMENT									
		FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY									
COST (In Millions \$)					4.390				
MISSION AND DESCRIPTION: New line item established for ASDS long-lead material procurement.									
FY 1997 PROGRAM JUSTIFICATION: Begins fabrication and integration of the second and third ASDS systems. Orders material for major subcomponents of the ASDS systems such as hull material, batteries, and propulsion motors in support of subsystem level fabrication and operational testing.									

P-1 SHOPPING LIST, ITEM NO. 56

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WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, Dollars in Thousands)							BUDGET YEAR 2 FOR FISCAL YEAR PROGRAM 1997	
Weapon System Type (Model/Series No.)							DATE:	FEBRUARY 1995
ADVANCED SEAL DELIVERY SYSTEM			FIRST SYSTEM AWARD DATE 01/1997		FIRST SYSTEM COMPLETION DATE 08/1999		Interval Between System Completions (Months) 6	
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost		
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
1. CFE								
A. Hull Structure	2 Shipsets	01/1997	01/1998	12 Months	1.300	2.600		
B. Main Propulsion Motors	2 Shipsets	01/1997	03/1998	14 Months	0.120	0.240		
C. Maneuvering Thrusters	2 Shipsets	01/1997	03/1998	14 Months	0.150	0.300		
D. Mission Batteries	2 Shipsets	01/1997	05/1998	16 Months	0.465	0.930		
E. Integrated Control & Display (ICD)	2 Shipsets	01/1997	05/1998	16 Months	0.160	0.320		
2. GFE (Specify)								
3. SUBTOTAL						4.390		
4. EOQ								
5. (CFE)								
6. (GFE)								
7. SUBTOTAL								
8. DESIGN								
9. OTHER								
10. TOTAL						4.390		
NARRATIVE DESCRIPTION								
Funding is required to procure long lead time material in support of the Advanced Seal Delivery System (ASDS). This material is required in order to meet delivery schedules established in support of the Special Operations Forces Initial Operating Capability (IOC) date for the ASDS.								

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BUDGET ITEM JUSTIFICATION SHEET										DATE	FEBRUARY 1995
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)									
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01			
QUANTITY		5	4	4	3	1					
COST (In Millions \$)		11.822	11.115	9.610	6.292	2.677					
<p>MISSION AND DESCRIPTION: The mission of the MK 8 Mod 1 SDV is clandestine infiltration / exfiltration of SEAL combat swimmers into hostile/denied shore areas and harbor / port facilities for the conduct of special operations. The MK 8 Mod 1 SDV program is a Service Life Extension Program (SLEP) of the in-service MK 8 Mod 0 SDV to extend the life of this mobility platform by 15 years. The SLEP effort focuses on correcting identified and projected sustainability and maintainability problems within selected subsystems.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds will be used to procure / install engineering improvements for four SDVs including Global Positioning System, Obstacle Avoidance Sonar, secure communications, mission data recorders, direct current propulsion motor, and pilot / navigator displays.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Funds will be used to procure / install engineering improvements for four SDVs including Global Positioning System, Obstacle Avoidance Sonar, secure communications, mission data recorders, direct current propulsion motor, and pilot / navigator displays.</p>											

P-1 SHOPPING LIST, ITEM NO. 57

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)									
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
1. MK 8 MOD 1 SDV SYSTEMS											
A. GPS											
FY 95	UNKNOWN	C/FP	NSWC, Dhlgm	FEB 95	JUL 95	8	39.875	YES	NO		
B. SONAR - OBSTACLE AVOIDANCE											
FY 95	SONATECH Santa Barbara, CA	SS/FP	NSWC, Dhlgm	FEB 95	OCT 95	8	209.750	YES	NO		
FY 96	SONATECH Santa Barbara, CA	OPTION	NSWC, Dhlgm	OCT 95	MAR 96	4	461.750	YES	NO		
FY 97	SONATECH Santa Barbara, CA	OPTION	NSWC, Dhlgm	OCT 96	MAR 97	4	472.000	YES	NO		
C. SONAR - DOCKING											
FY 95	UNKNOWN	C/FP	NSWC, Dhlgm	FEB 95	JUL 95	8	51.875	YES	NO		
FY 96	UNKNOWN	OPTION	NSWC, Dhlgm	NOV 95	MAR 96	4	52.250	YES	NO		
FY 97	UNKNOWN	OPTION	NSWC, Dhlgm	NOV 96	MAR 97	4	53.500	YES	NO		
D. PERISCOPE											
FY 95	SIMRAAD-OSPREY	SS/FP	NSWC, Dhlgm	JUN 95	DEC 95	8	119.875	YES	NO		
D. REMARKS:											
Note: Of 8 units procured in FY 1995, 3 will be spares. 1.A. GPS integrated into line "J", Auxiliary Navigation System, after FY 1995. 1.B. Sonar - Obstacle Avoidance costs updated to reflect required design changes.											

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)							
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
E. SECURE COMMUNICATIONS - HF/UHF RADIO FY 95	HARRIS (HF) Rochester, NY	SS/FP	NSWC, Dhlgrm	FEB 95	JUL 95	8	27.800	YES	NO		
	MAGNAVOX (UHF) Ft. Wayne, IN	SS/FP	NSWC, Dhlgrm	FEB 95	JUL 95	8	21.700	YES	NO		
	HARRIS (HF) Rochester, NY	OPTION	NSWC, Dhlgrm	NOV 95	MAR 96	4	31.925	YES	NO		
	MAGNAVOX (UHF) Ft. Wayne, IN	OPTION	NSWC, Dhlgrm	NOV 95	MAR 96	4	28.825	YES	NO		
FY 97	HARRIS (HF) Rochester, NY	OPTION	NSWC, Dhlgrm	NOV 96	MAR 97	4	32.525	YES	NO		
	MAGNAVOX, (UHF) Ft. Wayne, IN	OPTION	NSWC, Dhlgrm	NOV 96	MAR 97	4	26.475	YES	NO		
F. MISSION DATA RECORDER FY 95	SONY (Audio/Visual) Cranbury, NJ	SS/FP	NSWC, Dhlgrm	FEB 95	JUL 95	8	28.375	YES	NO		
	TARGA (Digital) San Ramone, CA	SS/FP	NSWC, Dhlgrm	FEB 95	JUL 95	8	34.000	YES	NO		
D. REMARKS: 1.E. Harris Corporation will provide HF radio; Magnovox will provide UHF. 1.F. SONY will provide audio/visual mission data recorder; TARGA will provide digital.											

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
F. MISSION DATA RECORDER (Cont'd.) FY 96	SONY (Audio/Visual) Cranbury, NJ	OPTION	NSWC, Dhlgrm	NOV 95	MAR 96	4	26.625	YES	NO	
	TARGA (Digital) San Ramone, CA	OPTION	NSWC, Dhlgrm	NOV 95	MAR 96	4	32.125	YES	NO	
	SONY (Audio/Visual) Cranbury, NJ	OPTION	NSWC, Dhlgrm	NOV 96	MAR 97	4	27.375	YES	NO	
	TARGA (Digital) San Ramone, CA	OPTION	NSWC, Dhlgrm	NOV 96	MAR 97	4	32.875	YES	NO	
G. PROPULSION MOTOR FY 95	Motion Ctrl Sys Newburn, VA	SS/FP	NSWC, Dhlgrm	FEB 95	NOV 95	8	107.875	YES	NO	
	Motion Ctrl Sys Newburn, VA	OPTION	NSWC, Dhlgrm	NOV 95	MAR 96	4	85.250	YES	NO	
FY 96	Motion Ctrl Sys Newburn, VA	OPTION	NSWC, Dhlgrm	NOV 96	MAR 97	4	86.750	YES	NO	
H. DISPLAY - UNITS FY 95	UNKNOWN	C/FP	NSWC, Dhlgrm	FEB 95	JUL 95	8	91.500	YES	NO	
D. REMARKS: 1.H. Display - Unit costs updated to reflect design changes.										

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)							
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
H. DISPLAY - UNITS (Cont'd.)											
FY 96	UNKNOWN	OPTION	NSWC, Dhlgm	NOV 95	MAR 96	4	173.500	YES	NO		
FY 97	UNKNOWN	OPTION	NSWC, Dhlgm	NOV 96	MAR 97	4	177.500	YES	NO		
I. DOPPLER NAVIGATION SONAR (DNS)											
FY 95	UNKNOWN	C/FP	NSWC, Dhlgm	FEB 95	OCT 95	8	51.250	YES	NO		
FY 96	UNKNOWN	OPTION	NSWC, Dhlgm	NOV 95	MAR 96	4	46.750	YES	NO		
FY 97	UNKNOWN	OPTION	NSWC, Dhlgm	NOV 96	MAR 97	4	47.750	YES	NO		
J. AUXILIARY NAVIGATION SYSTEM (ANS)											
FY 96	UNKNOWN	C/FP	NSWC, Dhlgm	NOV 95	MAR 96	4	24.750	YES	NO		
FY 97	UNKNOWN	OPTION	NSWC, Dhlgm	NOV 96	MAR 97	4	25.250	YES	NO		
K. FRAMES/HULL MECH											
FY 95	UNKNOWN	C/FP	NSWC, Dhlgm	FEB 95	JUL 95	5	189.200	YES	NO		
D. REMARKS:											
I.K. Cost of Frame/Hull reflected in line "L", Installations after FY 1995.											

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BUDGET ITEM JUSTIFICATION SHEET		DATE		FEBRUARY 1995						
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SUBMARINE CONVERSION								
		FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY *	DDS	0	1	1	0	3	1	0	0	
	ASDS	0	0	0	0	2	0	1	2	
COST (In Millions \$)		.516	4.016	4.684	6.369	27.493	.733	5.040	9.591	
MISSION AND DESCRIPTION: This program supports Naval Special Warfare Command's equipment and mission requirements for the execution of Special Operations missions as the Naval component of the U. S. Special Operations Command. This conversion will provide SSN 688 class submarines as Dry Deck Shelter (DDS) host submarines to replace the decommissioning SSN 637/640 class submarines. All current DDS host submarines (SSN 637/640 class) are scheduled for inactivation by the year 1999. These modifications will ensure the continued capability for clandestine, underwater SEAL and SEAL Delivery Vehicle (SDV) infiltration/exfiltration operations.										
FY 1996 PROGRAM JUSTIFICATION: Completes ship alteration detailed designs and conducts major modifications on one DDS.										
FY 1997 PROGRAM JUSTIFICATION: Funds advanced planning for work package preparation, prefabrication of kit assemblies (piping, valves, external hull fixtures), prepares operational manuals, and funds host certification.										
Dry Deck Shelter Long Lead Materials transferred to Submarine Conversion Advanced Procurement line for FY 1995 and FY 1997.										
ASDS funding transferred to ASDS RDT&E, SO417 Underwater Systems Advanced Development for FY 1995, FY 1996, and FY 1997.										
* Quantities represent the number of submarines being modified to host the DDS (or ASDS for FY 1998 and beyond).										

P-1 SHOPPING LIST, ITEM NO. 58

UNCLASSIFIED

EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 1 Page

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE		FEBRUARY 1995				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SUBMARINE CONVERSION ADVANCE PROCUREMENT						
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)		2.086		2.886				
MISSION AND DESCRIPTION: New line item established for Submarine Conversion long-lead material procurement								
FY 1997 PROGRAM JUSTIFICATION: Orders long lead time materials for one Dry Deck Shelter host submarine.								

P-1 SHOPPING LIST, ITEM NO. 59

UNCLASSIFIED

Page 1 of 1 Page
EXHIBIT P-40 Budget Item Justification Sheet

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, Dollars in Thousands)						BUDGET YEAR 2 FOR FISCAL YEAR PROGRAM 1997	
Weapon System Type (Model/Series No.)						DATE: FEBRUARY 1995	
SSN 688 CL DDS		FIRST SYSTEM AWARD DATE 10/95 (SSN 700)		FIRST SYSTEM COMPLETION DATE 10/97 PARTIAL, FY 1999 COMPLETE		Interval Between System Completions (Months) 24 +	
Advance Procurement/Advance Funding Items		Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
(1)		(2)	(3)	(4)	(5)	(6)	(7)
1. CFE							
2. GFE							
A. Long Lead Materials Package							
1) CO2 Absorbers		1 Unit	FY 1997	10/01/1997	18 Months	.330	.330
2) Penetrators		1 Set	FY 1997	10/01/1997	18 Months		
3) Air Reducing Manifold		1 Unit	FY 1997	10/01/1997	18 Months		
4) Valves (Special)		1 Set	FY 1997	10/01/1997	18 Months		
5) Electrical Panels and Boxes		1 Set	FY 1997	10/01/1997	18 Months		
B. Pre-Fabrication Shipsets							
1) Cabling, Fittings, Piping, etc.		3 Sets	FY 1997	10/01/1997	6 Months	0.852	2.556
3. SUBTOTAL							2.886
4. EOQ							
5. (CFE)							
6. (GFE)							
7. SUBTOTAL							
8. DESIGN							
9. OTHER							
10. TOTAL							2.886
NARRATIVE DESCRIPTION							
If funding is not provided, the installing shipyard will not have sufficient materials to install during host ship maintenance availability period. Advance procurement is needed to support the current schedule.							

P-1 SHOPPING LIST, ITEM NO. 59

EXHIBIT P-10, Weapon System Advance Procurement Analysis/Justification

UNCLASSIFIED

Page 1 of 1 Page

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET					DATE		FEBRUARY 1995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT						
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	2	2	2	6	8			
COST (In Millions \$)	15.107	9.528	19.501	44.668	52.871	.498		
<p>MISSION AND DESCRIPTION: The MK V Special Operations Craft (SOC) will conduct medium range insertion / extraction (MRI) of Special Operations Forces (SOF). It will have the inherent ability to support limited coastal patrol and interdiction (CP&I) taskings. The MK V SOC will be a high performance combatant craft capable of being transported over land and on-board C-5 aircraft on its own transporter system. The need for this type of combatant craft was validated during operation Desert Shield and Desert Storm in the Persian Gulf and is further justified by potential maritime SOF employments in all unified areas of responsibility. Program is structured to procure, sustain and man operational systems (i.e. detachments) annually, vice procuring, sustaining or manning individual items of equipment.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures one (two craft) operational MK V SOC detachment. Begins procurement of baseline (government furnished) communications suite equipment and M916A1E1 prime movers.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures three (two craft) operational MK V SOC detachments (six total craft and support packages).</p> <p>Spares and deployment package funding is now located in SOF Spares and Repair Parts line. Pre-planned product improvement funding is now located in Maritime Equipment Modifications line.</p>								

P-1 SHOPPING LIST, ITEM NO. 60

UNCLASSIFIED

EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 1 Page

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UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MK V SPECIAL OPERATIONS CRAFT SUPPORT										
A. MK V SOC										
FY 94	Halter Marine New Orleans, LA	C/FP	USSOCOM	NOV 94	AUG 95	2	3,850,000			
FY 95	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	APR 96	2	3,650,000	YES	NO	
FY 96	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 96	NOV 96	2	3,900,000	YES	NO	
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT 96	JUN 97	6	4,066,667	YES	NO	
B. TRANSPORTER										
FY 94	Halter Marine New Orleans, LA	C/FP	USSOCOM	NOV 94	AUG 95	2	1,250,000			
FY 95	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	APR 96	2	950,000	YES	NO	
FY 96	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 96	NOV 96	2	900,000	YES	NO	
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT 96	JUN 97	6	783,333	YES	NO	
C. HEAVY SUPPORT VEHICLE (M1083)										
FY 94	Stewart/STVSO	OPTION	Army, TACOM	FEB 95	AUG 95	2	135,000	YES	NO	
FY 96	Stewart/STVSO	OPTION	Army, TACOM	OCT 95	APR 96	2	150,000	YES	NO	
FY 97	Stewart/STVSO	OPTION	Army, TACOM	OCT 96	APR 97	8	162,500	YES	NO	

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UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY AND PLANNING						A. DATE: February 1995				
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2						C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT				
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
D. LIGHT SUPPORT VEHICLE (M1097)										
FY 94	AM General	OPTION	Army, TACOM	DEC 94	APR 95	4	45,000			
FY 96	AM General	OPTION	Army, TACOM	OCT 95	APR 96	4	50,000	YES	NO	
FY 97	AM General	OPTION	Army, TACOM	OCT 96	APR 97	32	53,125	YES	NO	
E. S-230 SHELTER										
FY 94	UNKNOWN	PO	USSOCOM	FEB 95	JUN 95	4	10,000	YES	NO	
FY 96	UNKNOWN	PO	USSOCOM	OCT 95	JAN 96	4	12,500	YES	NO	
FY 97	UNKNOWN	PO	USSOCOM	OCT 96	JAN 97	32	14,063	YES	NO	
F. S-280 SHELTER										
FY 94	UNKNOWN	PO	USSOCOM	FEB 95	JUN 95	1	40,000	YES	NO	
FY 96	UNKNOWN	PO	USSOCOM	OCT 95	JAN 96	1	50,000	YES	NO	
FY 97	UNKNOWN	PO	USSOCOM	OCT 96	JAN 97	5	60,000	YES	NO	
H. DEPLOYMENT PACKAGE										
FY 94	VARIOUS	C/FP	USSOCOM	JAN 95	JUN 95	1	1,000,000	YES	NO	
I. TRACTOR (M916A1E1)										
FY 96	Freightliner	OPTION	Army, TACOM	OCT 95	JUN 96	10	150,000	YES	NO	
FY 97	Freightliner	OPTION	Army, TACOM	OCT 96	JUN 97	7	157,143	YES	NO	
K. BASIC COMMUNICATIONS										
FY 96	VARIOUS	C/FP	USSOCOM	OCT 95	SEP 96	10	500,000	YES	NO	

P-1 SHOPPING LIST, ITEM NO. 60

EXHIBIT P-5A Procurement History and Planning

UNCLASSIFIED

110

Page 2 of 3 Pages

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
K. BASIC COMMUNICATIONS (Cont'd.)										
FY 97										
L. HANDLING GEAR										
FY 96	VARIOUS	C/FP	USSOCOM	OCT 96	SEP 97	6	666.667	YES	NO	
FY 97	VARIOUS	C/FP	USSOCOM	OCT 95	MAY 96	1	425.000	NO		
M. SKIDS	VARIOUS	C/FP	USSOCOM	OCT 96	MAY 97	5	450.000	NO		
FY 94	Halter Marine New Orleans, LA	C/FP	USSOCOM	NOV 94	AUG 95	2	25.500			
FY 95	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	APR 96	2	22.500	YES	NO	
FY 96	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 96	NOV 96	2	25.000	YES	NO	
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT 96	JUN 97	6	25.000	YES	NO	
N. STORAGE CABINETS										
FY 94	VIDMAR	PO	USSOCOM	JAN 95	APR 95	1	15.000			
FY 96	VIDMAR	PO	USSOCOM	OCT 95	FEB 96	1	17.000	YES	NO	
FY 97	VIDMAR	PO	USSOCOM	OCT 96	FEB 97	4	18.000	YES	NO	
D. REMARKS:										

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CODE "B" ITEM DESCRIPTION		DATE FEBRUARY 1995	REPORTS CONTROL SYMBOL DD-COMP, (USSOCOM) 1092				
APPROPRIATION/ACTIVITY PROCUREMENT, DEFENSEWIDE/2		P-1 ITEM NOMENCLATURE: MK V SPECIAL OPERATIONS CRAFT					
1. CURRENT DEVELOPMENT AND TEST STATUS:		SCHEDULE DATE					
Dev Test & Evaluation	Plan/Actual	CURRENT 02-05/94	LAST RPT'D 02-05/94	REASON FOR DELAY			
Initial Test & Evaluation	Plan/Actual	08-09/95	06-07/95	Contract Award Delay			
Operational Test & Evaluation	Plan/Actual	09-10/95	07-08/95	Contract Award Delay			
Availability Date of Technical Data Package	Plan/Actual	11/94	10/94	Contract Award Delay			
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: OCT 95							
3. EQUIPMENT ITEM(S) TO BE REPLACED: MK III Patrol Boat, in its secondary role as a SOF insertion/extraction craft.							
4. EXTENT OF IMPROVEMENT OVER ITEM(S)/EQUIPMENT TO BE REPLACED: Greater payload; appropriate seating for passengers. Higher performance; greater cruise and maximum speeds/ranges. Air transportable via C-5; transportable over land on organic transporter.							
5. DEVELOPMENT/CONTRACT INFORMATION: (Dollars in Millions):							
CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THRU FY 94 (4)	FY 95 (5)	FY 96 (6)	FY 97 (7)	BEYOND FY 97 (8)
Peterson Builders Inc.	Sturgeon Bay, WI	Test Craft (1)	4.870				
Halter Marine, Inc.	New Orleans, LA	Test Craft (2)	7.337				
Talbert	Rensselaer, IN	Transporter (1)	0.337				
Freightliner	Portland, OR	Tractor (3)	0.600				
Lockheed/Globe	Bradenton, FL	Transporter (2)	2.100				
TOTAL RDT&E FUNDING			25.537	.043	4.254	.995	
6. REMARKS: Program is following a streamlined, accelerated acquisition strategy/schedule. All realistic goals have been met. Future goals are considered moderate to low risk.							

P-1 SHOPPING LIST, ITEM NO. 60

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Page 1 of 1 Page
EXHIBIT P-19 Code "B" Item Description

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BUDGET ITEM JUSTIFICATION SHEET						DATE		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION						
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)	17.668	13.930	23.887	19.892	19.384	16.938	27.504	16.698

Name Change: Line Item formerly called "SOF Pyro/Demo".

MISSION AND DESCRIPTION: The items included within this P-1 line are ordnance items that have acquisition requirements. This program provides a variety of items developed and modified for Special Operations Forces. Also included within this line are the new 25mm High Explosive Incendiary (HEI) ammunition for the AC-130 Gunship and a refueling project on 40mm ammunition to correct a safety of flight hazard. This line consolidates items formerly in SOF Platform Gun Ammunition and SOF Pyro/Demo.

1. Selectable Lightweight Attack Munition (SLAM). SLAM is a 2.2 pound hand emplaced munition of various detonation methods capable of defeating tracked/wheeled, POL/ammunition storage sites and parked aircraft at a standoff distance. SLAM replaces heavier and bulkier munitions that are often not suitable to meet SOF mission requirements.

FY 1996 PROGRAM JUSTIFICATION: Procures the last 3,000 units of this item.

2. SOF Demolition Kit. This kit consists of equipment that attaches to targets, initiates, and/or controls explosives used for SOF applications. It allows the SOF operator to tailor needed demolition equipment for a specific mission using upgraded equipment.

FY 1996 PROGRAM JUSTIFICATION: This will be the first year of procurement resulting from development effort to provide a kit to attach, initiate and control explosives for SOF application.

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION		
<p>2. SOF Demolition Kit (Cont'd.)</p> <p>FY 1997 PROGRAM JUSTIFICATION: This will continue procurement resulting from a development effort to provide a kit to attach, initiate and control explosives for SOF application.</p> <p>3. Time Delay Firing Device (TDFD). The TDFD is an improved firing device which replaces the outdated six versions of the M1 firing device.</p> <p>FY 1996 PROGRAM JUSTIFICATION: TDFD replaces the M1 Time Pencil that has been determined to be unsafe, inaccurate and unreliable. Funding procures 430 units.</p> <p>FY 1997 PROGRAM JUSTIFICATION: TDFD replaces the M1 Time Pencil that has been determined to be unsafe, inaccurate and unreliable. Funding procures 1,200 units.</p> <p>4. 25mm High Explosive Incendiary (HEI). This program modifies a 25mm round by replacing the current M505 chemical fuze with a superquick fuze to achieve point detonation on ground targets at extended ranges. Tests for safety/reliability as well as operational flight test evaluations are included. The program has two production options prior to transition to logistics/sustainment.</p> <p>FY 1996 PROGRAM JUSTIFICATION: This funding procures 96,744 rounds of 25mm HEI for the AC-130 Gunship.</p> <p>5. 40mm Refuze. This program develops a more effective 40mm round of ammunition to more successfully engage and defeat personnel and lightly armored targets. Moreover, an urgent safety requirement exists to replace the current MK-27 fuze which has been prone to failure over the past 40 years, and when attached to improved, more lethal projectiles, becomes a safety hazard to the gunship and its crew. This program has transitioned to</p>		

P-1 SHOPPING LIST, ITEM NO. 61

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	FEBRUARY 1995
<p>5. 40mm Refuze (Cont'd.)</p> <p>procurement to replace fuzes on 1.2 million rounds through 1998. (This program is in the SOF Platform Gun Ammunition line in FY 1995 and prior).</p> <p>FY 1996 PROGRAM JUSTIFICATION: This is a continuing effort to replace the unsafe fuze on the 40mm inventory. Funding procures 277,895 rounds.</p> <p>FY 1997 PROGRAM JUSTIFICATION: This is a continuing effort to replace the unsafe fuze on the 40mm inventory. Funding procures 282,105 rounds.</p> <p>6. Penetration Augmented Munition (PAM) - PAM is a SOF developed munition designed to significantly damage reinforced concrete structures or pylons assigned as targets. It is a 35 pound multi-stage munition that will enhance effectiveness and survivability. It allows successful attack of SOF targets not otherwise possible.</p> <p>FY 1997 PROGRAM JUSTIFICATION: PAM second production based on MSIII decision scheduled for 4 Qtr FY 1996. Funding procures 562 munitions devices.</p> <p>7. Remote Activated Munitions System (RAMS) - RAMS provides a capability to remotely control detonation of demolition charges or the remote operation of other items of equipment such as beacons, laser markers, radios, and weapons.</p> <p>FY 1997 PROGRAM JUSTIFICATION: This procurement is a direct result of a development effort by SOF and acquires approximately 100 Transmitters and Auxiliary Power Packs and 700 Type A Receivers.</p>		

P-1 SHOPPING LIST, ITEM NO. 61

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 Page 3 of 5 Pages
 EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION		
<p>8. Naval Special Warfare (NSW) Pyrotechnics and Demolitions. NSW forces require a variety of pyrotechnic devices for training, combat exercises, submarine rescue an search and rescue operations. NSW demolitions are required for fleet units to perform training functions and operating requirements.</p> <p>9. Activated Metal Decoy (AMD). The AMD system is discharged in flight as a decoy to anti-aircraft weapons to mask aircraft location.</p> <p>10. Stinger Modification. Provides funding for Army procurement of hardware and software modifications to improve Stinger missile performance against aerial targets which are slow moving, employing advanced countermeasures, or operating at night. These modifications will also improve performance against slow moving surface craft that are operating day or night. The modifications will maintain compatibility with all current and planned command and launch platforms including the gripstock used for the Patrol Coastal Man-Portable Air Defense (MANPAD) launching of missiles. The Stinger missile is the Navy SOF Patrol Coastal Ship class's primary weapon and they are also employed by Navy SEAL teams and the SEAL delivery vehicle teams.</p> <p>FY 1996 PROGRAM JUSTIFICATION: The Stinger missile is currently deficient in engagements against slow moving targets and during night time engagements. The Stinger missile Block I material change has been developed to address these deficiencies and provides the best near term solution to meet identified threats. This program is coordinated with Army and contracted by them. Navy Special Operations Forces' missiles are of an earlier vintage Stinger missile which will require complete replacement of electronic assemblies, in addition to Army programmed changes. Funding modifies 300 Stinger missiles.</p> <p>FY 1997 PROGRAM JUSTIFICATION: This FY 1997 program continues the Stinger missile modification effort. The Stinger missile is currently deficient in engagements against slow moving targets and during night time engagements. The Stinger missile Block I material change has been developed to address these deficiencies and provides the best near term solution to meet identified threats. This program is coordinated with Army and contracted by them. Navy Special Operations Forces' missiles are of an earlier vintage Stinger missile which will require complete</p>		

P-1 SHOPPING LIST, ITEM NO. 61

UNCLASSIFIED

Page 4 of 5 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE																		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995																		
P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION																				
<p>10. Stinger Modification (Cont'd.)</p> <p>replacement of electronic assemblies, in addition to Army programmed changes. Funding modifies 309 Stinger missiles.</p> <p>Note: The P-20 exhibits (Requirements Study) are classified and not included with the Budget Submission. These documents can be furnished upon request.</p> <p>Because many types of ammunition are included in each item within the P-5 exhibit, the unit cost reflected is an average amount.</p> <p style="text-align: center;">MODIFICATION SUMMARY FOR SOF ORDNANCE ACQUISITION</p> <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th><u>FY 94</u></th> <th><u>FY 95</u></th> <th><u>FY 96</u></th> <th><u>FY 97</u></th> <th><u>FY 98</u></th> <th><u>FY 99</u></th> <th><u>FY 00</u></th> <th><u>FY 01</u></th> </tr> </thead> <tbody> <tr> <td>Stinger Block I</td> <td></td> <td></td> <td>5.433</td> <td>5.724</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			DESCRIPTION	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>	Stinger Block I			5.433	5.724				
DESCRIPTION	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>												
Stinger Block I			5.433	5.724																

P-1 SHOPPING LIST, ITEM NO. 61

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION			A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2			B. Line Item Nomenclature SOF ORDNANCE ACQUISITION						C. DATE: FEBRUARY 1995			
Weapon System Cost Elements			Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997		
				Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. SELECTABLE LT WT ATTACK MUNITION			B												
A. HARDWARE				2.193	2,000	4,386	1.759	2,500	4,398	1.664	3,000	4,991			
B. PRODUCTION SUPPORT						714			707			813			
Subtotal						5,100			5,105			5,804			
2. SOF DEMOLITION KIT			B												
A. HARDWARE											VAR	850		VAR	750
3. TIME DELAY FIRING DEVICE (TDFD)			B												
A. HARDWARE										0.698	430	300	0.692	1,200	830
4. 25MM HEI			B												
A. HARDWARE										0.051	96,744	4,900			
5. 40MM PGU9 A/B REFUZE			B												
A. HARDWARE										0.024	277,895	6,600	0.024	282,105	6,700
6. PENETRATION AUGMENTED MUNITION			B												
A. HARDWARE							7.517	377	2,834				7.900	562	4,440
B. PRODUCTION SUPPORT									59						248
Subtotal									2,893						4,688
7. REMOTE ACTIVATED MUNITIONS SYS			B												
A. HARDWARE													12.000	100	1,200
8. NSW PYRO DEMOLITIONS															
A. HARDWARE					VAR	9,868		VAR	4,504						

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SELECTABLE LIGHTWEIGHT ATTACK MUNITION A. Hardware	Alliant Technology Edina, MN	SS/FP	ARDEC	AUG 94	MAR 96	2,000	2.193			
FY 94										
FY 95	UNKNOWN	C/FP	ARDEC	MAR 95	MAR 96	2,500	1.759	YES		
FY 96	UNKNOWN	C/FP	ARDEC	MAR 96	MAR 97	3,000	1.664	YES		
3. TIME DELAY FIRING DEVICE (TDFD)										
A. Hardware										
FY 96	UNKNOWN	C/FP	ARDEC	MAR 96	FEB 97	430	.698	YES		
FY 97	UNKNOWN	C/FP	ARDEC	MAR 97	FEB 98	1,200	.692	YES		
4. 25MM HEI										
A. Hardware										
FY 96	UNKNOWN	C/FP	SMCA	MAY 96	JAN 97	96,744	.051	YES		
5. 40MM PGU9 A/B REFUZE										
A. Hardware										
FY 96	UNKNOWN	C/FP	SMCA	JUN 96	MAY 97	277,895	.024	YES		
FY 97	UNKNOWN	C/FP	SMCA	JUN 97	MAY 98	282,105	.024	YES		
6. PENETRATION AUGMENTED MUNITION										
FY 97	UNKNOWN	C/FP	ARDEC	FEB 97	JAN 98	562	7.900	NO		
7. REMOTE ACTIVATED MUNITIONS SYSTEM										
FY 97	UNKNOWN	C/FP	ARDEC	FEB 97	JAN 98	100	12.000	YES		

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2					C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION						
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
9. ACTIVATED METAL DECOY (AMD)											
FY 94	UNKNOWN	C/FP	NSWC-CRANE	FEB 95	MAR 95	18,200	.148	YES	NO		
FY 95	UNKNOWN	C/FP	NSWC-CRANE	MAY 95	JAN 96	9,650	.148	YES	NO		
10. STINGER MISSILE MODIFICATIONS											
FY 96	UNKNOWN	C/FP	Army-FAD	MAR 96	JAN 98	300	18.110	YES	NO		
FY 97	UNKNOWN	C/FP	Army-FAD	JAN 97	MAR 98	309	18.524	YES	NO		
D. REMARKS:											

P-1 SHOPPING LIST, ITEM NO. 61

Page 2 of 2 Pages
EXHIBIT P-5A Procurement History and Planning

UNCLASSIFIED

123

UNCLASSIFIED

INDIVIDUAL MODIFICATION
MODIFICATION TITLE: STINGER BLOCK 1
MODELS OF SYSTEMS AFFECTED: Stinger Missiles
DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

This materiel change (MC) will incorporate hardware and software modifications to the Stinger missile system to increase overall missile performance in certain engagement scenarios. These scenarios include slow-moving targets, employment of advanced countermeasures, and operations at night. The MC will include hardware changes to the missile itself and software changes to the various command and launch platforms including the grippstock used in Navy Special Operations Forces' shoulder-fired applications. This MC was recommended as the near-term solution to Stinger deficiencies and to improve performance against identified threats. The Stinger missile is the Navy SOF Parol Coastal ship class' primary weapon system.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

This program is coordinated with the the Army and included in their contracts.

FINANCIAL PLAN: (\$ in millions)

PYs		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$

RDT&E

PROCUREMENT

Installation Kits	300	309	609
Installation Kit Nonrecurring			
Installed Equipment	5.4	5.7	11.1
Equipment Nonrecurring			
Engineering Change Orders			
Data			
Training Equipment			
Support Equipment			

Installation of Hardware (see note)

PYs	
FY95	
FY96	
FY97	
FY98	
FY99	
FY00	
FY01	
To Complete	

Total Installation Cost

Note: Hardware installation performed at the time of missile retrofit with costs included in installed equipment above.

Total Procurement Cost

5.4 5.7

METHOD OF IMPLEMENTATION:

CONTRACTOR AT CONTRACTOR FACILITY

ADMINISTRATIVE LEADTIME: 3 MONTHS

PRODUCTION LEADTIME: 15 MONTHS

11.1

CONTRACT DATE:

Current Year: N/A

Budget Year 1: 3/96

Budget Year 2: 1/97

DELIVERY DATE:

Current Year: N/A

Budget Year 1: 1/98

Budget Year 2: 3/98

P-1 SHOPPING LIST, ITEM NO. 61

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: STINGER BLOCK 1
INSTALLATION SCHEDULE:

	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
QUARTERS INPUT																
PY																
FY 95																
FY 96																
FY 97																
FY 98																
FY 99																
FY 2000																
FY 2001																

	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
QUARTERS OUTPUT																
PY																
FY 95																
FY 96																
FY 97																
FY 98																
FY 99																
FY 2000																
FY 2001																

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: STINGER BLOCK 1

INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97	150	150		
FY 98			155	154
FY 99				
FY 2000				
FY 2001				

FY 1999			
1	2	3	4

FY 2000			
1	2	3	4

FY 2001			
1	2	3	4

TOT	PGM
300	
309	

QUARTERS
OUTPUT

	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98	150	150		
FY 99			155	154
FY 2000				
FY 2001				

FY 1999			
1	2	3	4

FY 2000			
1	2	3	4

FY 2001			
1	2	3	4

TOT	PGM
300	
309	

P-1 SHOPPING LIST, ITEM NO. 61

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BUDGET ITEM JUSTIFICATION SHEET										DATE	FEBRUARY 1995
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION									
		FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01		
QUANTITY											
COST (In Millions \$)	27.362		38.226								

* This P-1 line is canceled after FY 1995 and its components are consolidated into SOF Ordnance Replenishment and SOF Ordnance Acquisition P-1 lines as noted below.

MISSION AND DESCRIPTION: This budget line contains all platform gun ammunition for the AC-130 Gunship, Navy Ship Gun, and Patrol Craft. Ammunition is necessary to support Air Force and Navy Special Operations Forces (SOF) annual training requirements and replenish war reserve SOF-unique stockage. It also refuzes 40mm Gunship ammunition to correct safety of flight hazards.

1. Training Ammunition. Provides 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Quantities vary depending upon training requirements. (Realigned to SOF Ordnance Replenishment in FY 1996)
2. AC-130 Ammunition War Reserve. Procures, through the Conventional Ammunition Working Capital Fund (CAWCF), war reserve 25mm ammo to maintain war reserve stockage at Defense Planning Guidance levels. This combat munition provides light vehicle kill and area coverage kill capability in support of air base defense, close air support, and direct action missions. (Realigned to SOF Ordnance Acquisition in FY 1996)
3. AC-130 Gunship PGU-9A/B Refuzing. Provides a new fuze to attach to the PGU-9A/B 40mm ammunition to eliminate safety of flight hazards. Replaces the MK 27 fuze to provide adequate safe separation from the gun barrel after firing. Approximately 200,000 rounds will be refuzed each year. (Realigned to SOF Ordnance Acquisition in FY 1996)

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION	FEBRUARY 1995
<p>4. Other Ship Gun Ammunition. Provides ammunition in support of the Naval Special Operations Forces which include special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons, and SEAL Delivery Vehicles. Funds are required to procure components, load and assemble complete rounds, and to provide ammunition to resupply peacetime expenditures and war reserve requirements. Funds also provide for production engineering, component renovation, and gauges. Quantities vary depending on expenditure rates and approved mission requirements. (Realigned to SOF Ordnance Replenishment in FY 1996)</p> <p>5. Naval Special Warfare Readiness Munitions. Provides for ammunition and ammunition support elements for the 13 patrol craft equipped with MK-38 25mm guns. Funds are required to support SOF patrol craft requirements for training, and war reserve, and provide product engineering, product improvement, component renovation, and gauges. Quantities vary depending on expenditure rates and approved mission requirements. (Realigned to SOF Ordnance Replenishment in FY 1996)</p>		
P-1 SHOPPING LIST, ITEM NO. 62		

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Page 2 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION	A. Appropriation/Budget Procurement, Defensewide/Proc. Just./2	Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997		
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
Weapon System Cost Elements														
1. AC-130 GUNSHIP AMMUNITION														
HARDWARE														
A. 105mm, High Explosive, C342		A	0.152	14,431	2,200	0.151	14,651	2,216						
Subtotal					2,200			2,216						
2. AC-130 GUNSHIP 25mm AMMUNITION														
HARDWARE														
A. 25mm Ammunition, HEI		A				0.028	296,286	8,296						
B. 25mm TP		A	0.012	321,593	3,753	0.012	172,256	2,010						
C. MK732 Fuze, Proximity		A				0.072	11,111	800						
Subtotal					3,753			11,106						
3. AC-130 GUNSHIP PGU A/B REFUZING														
HARDWARE														
A. Fuzes		B	0.024	350,737	8,330	0.024	408,042	9,691						
Subtotal					8,330			9,691						
4. OTHER SHIP GUN AMMUNITION														
HARDWARE														
A. 25mm Cartridges		A		VAR	451		VAR	634						
B. 40mm Cartridges (Grenades)		A		VAR	2,216		VAR	2,083						
C. 60mm Cartridges		A		VAR	2,577		VAR	2,424						
D. 81mm Cartridges		A					VAR	426						
Subtotal					5,244			5,567						
PRODUCTION SUPPORT														
F. Product Engineering					276			293						
G. Product Improvement					455			65						
H. Renovation Components					96			99						

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2										C. P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
1. AC-130 GUNSHIP AMMUNITION											
A. 105mm High Explosive, C342											
FY 94	UNKNOWN	C/FP	SMCA	SEP 94	AUG 95	14,431	0.152				
FY 95	UNKNOWN	C/FP	SMCA	APR 95	MAR 96	14,631	0.151	YES			
2. AC-130 GUNSHIP 25mm AMMUNITION											
A. 25mm Ammunition HEI											
FY 95	UNKNOWN	C/FP	SMCA	APR 95	MAR 96	296,286	0.028	YES			
B. 25mm TP											
FY 94	Alliant Tech Sys Edina, MN	C/FP	SMCA	MAR 94	FEB 95	321,593	0.012				
FY 95	UNKNOWN	C/FP	SMCA	APR 95	MAR 96	172,236	0.012	YES			
C. MK 732 Fuze, Proximity											
FY 95	UNKNOWN	C/FP	SMCA	APR 95	MAR 96	11,111	0.072	YES			
3. AC-130 GUNSHIP PGU A/B REFUZING											
A. Fuzes											
FY 94	Alliant Tech Sys Edina, MN	C/FP	SMCA	JUN 94	MAR 95	125,000	0.024				
FY 94	Bofors Sweden	C/FP	SMCA	JUN 94	MAR 95	125,000	0.024				
FY 94	UNKNOWN	C/FP	SMCA	APR 95	JAN 96	100,737	0.024	YES	NO		

UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2					C. P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
3. AC-130 GUNSHIP PGU A/B REFUZZING (Cont'd.) FY 95	UNKNOWN	C/FP	SMCA	APR 95	JAN 96	408,042	0.024	YES	NO	
D. REMARKS										

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BUDGET ITEM JUSTIFICATION SHEET		DATE								FEBRUARY 1995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT									
		FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01		
QUANTITY											
COST (In Millions \$)	12.597		10.116	45.412	39.018	44.430	61.014	62.733			66.668

Name Change: Line Item formerly called "SOF Individual Weapons Ammunition".

MISSION AND DESCRIPTION: The items included within this P-1 line are ordnance items that do not currently have an acquisition requirement attached. This program provides ammunition for Special Operations Components for required training and war reserve stock. The requested funding will allow SOF Components to accomplish the required annual training and maintain the building of the Defense Planning Guidance required reserve quantities. This P-1 line reflects a realignment of non-acquisition items from SOF Individual Weapons Ammunition, SOF Platform Gun Ammunition and SOF Pyro/Demo.

1. Small Arms/Landing Party Ammunition. The various cost elements provide SOF small arms ammunition, (12 gauge up to and including .50 cal and grenades) to support Naval Special Operations Forces' peacetime expenditures, resupply, inter-theater shipping losses, and specified combat reserve requirements.

FY 1996 PROGRAM JUSTIFICATION: These funds are required to procure complete rounds, and/or components requiring load and assembly, of small arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke), ammunition items transitioning from various SOF component programs and conduct acceptance testing. Ammunition is required to support peacetime expenditures, resupply, inter-theater shipping losses and a specified combat reserve quantity. Additional funding provides for all production engineering support, product improvement, and procurement of renovation components, gauges and SOF non-standard items.

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT		
<p>1. Small Arms/Landing Party Ammunition (Cont'd.)</p> <p>FY 1997 PROGRAM JUSTIFICATION: These funds are required to procure complete rounds, and/or components requiring load and assembly, of small arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke), ammunition items transitioning from various SOF component programs and conduct acceptance testing. Ammunition is required to support peacetime expenditures, resupply, inter-theater shipping losses and a specified combat reserve quantity. Additional funding provides for all production engineering support and product improvement.</p> <p>2. Other Ship Gun Munitions. Provides ammunition in support of Naval Special Operations Forces which include medium caliber gun ammunition (25mm and above), rockets, and conduct acceptance testing.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds are requested to support the Naval SOF Component with load and assembly, complete rounds of SOF platform munitions including 25mm, 40mm and 60mm gun ammunition, rockets and conduct acceptance testing. The requested ammunition supports peacetime expenditures consisting of re-supply, and specified combat reserve quantities.</p> <p>FY 1997 PROGRAM JUSTIFICATION: The requested funding will sustain the annual training requirement and maintain the incremental build to the stated war reserve quantities.</p> <p>3. Mk V Special Operations Craft (SOC) Ammunition. Provides ammunition procurements in support of the weapons pre-planned product improvement (P3I) for the MK V SOC and other related ammunition. The P3I weapons suite selection has not been made due to the late July 1994 announcement of the craft manufacturer. Therefore, either the 25mm or 30mm ammunition will be procured based on weapon decision. Procurements will be amended as information becomes available.</p>		

P-1 SHOPPING LIST, ITEM NO. 63

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT		
<p>3. Mk V Special Operations Craft (SOC) Ammunition (Cont'd.) FY 1996 PROGRAM JUSTIFICATION: Funds are requested to support the Navy SOF Component with load and assembly, complete rounds, and conduct acceptance testing. The requested ammunition supports peacetime expenditures, resupply, and specified combat reserve quantities. These 7.62mm and .50 Caliber ammunition procurements are in support of the MK V SOC P3I beginning in FY 1996.</p> <p>FY 1997 PROGRAM JUSTIFICATION: The requested funding will sustain the annual training requirement and incremental build to the stated war reserve quantities.</p> <p>4. Navy Pyro/Demo. This program provides pyrotechnic items and demolition material to support Naval Special Operations Forces' peacetime expenditures, resupply, inter-theater shipping losses, and specified combat reserve requirements. The Navy Special Operations Forces are comprised of the following subordinate elements: special warfare groups, special warfare units, SEAL teams, SEAL delivery vehicle teams, special boat squadrons, special boat units and the Naval special warfare patrol coastal ships.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures a variety of pyrotechnic items consisting of illumination, signalling, identification, and location devices using glare or smoke as the primary signalling agent, as well as demolition material consisting of explosive devices, initiators and accessories. This equipment procurement is required to support Navy SOF peacetime expenditures, resupply, inter-theater shipping losses and a specified combat reserve quantity. Additional funding provides for all production engineering support, product improvement, procurement of renovation components, gauges and SOF peculiar non-standard pyrotechnic and demolition items transitioning from various SOF component programs.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures a variety of pyrotechnic items consisting of illumination, signalling, identification, and location devices using glare or smoke as the primary signalling agent, as well as demolition material consisting of explosive devices, initiators and accessories. This equipment procurement is required to support Navy SOF peacetime expenditures, resupply, inter-theater shipping losses and a specified combat reserve quantity. Additional funding provides for all production engineering support, product improvement, procurement of renovation components, gauges and SOF peculiar non-standard pyrotechnic and demolition items transitioning from various SOF component programs.</p>		

P-1 SHOPPING LIST, ITEM NO. 63

UNCLASSIFIED

Page 3 of 5 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLACEMENT		
<p>5. Training Munitions. Provides 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Quantities vary depending upon training requirements (Realigned from SOF Platform Gun Ammo).</p> <p>FY 1996 PROGRAM JUSTIFICATION: The assortment of ammunition requested is required to maintain proficiency by the crews of the AC-130 Gunship. This highly versatile weapons system is dependent on its well trained crews. Without the training munitions to maintain training proficiency, the effectiveness of this weapons system will be severely degraded.</p> <p>FY 1997 PROGRAM JUSTIFICATION: This is a continuing annual requirement.</p> <p>6. LIMPET Assembly Modular (LAM). This program consists of restoring critically low inventory and implementing product improvements to increase useability and to expand target application. The MK 5 is used against surface targets and as a bulk underwater explosive. The MK 6 is a practice version of the MK 5.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funding provides engineering change proposals, hardware production and required production/improvement engineering support for the LIMPET Assembly Modular (LAM) MK 5 and Practice LIMPET Assembly Modular (PLAM) MK 6.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Funds will allow the continued engineering efforts for the LAM MK 5 and PLAM MK 6.</p> <p>7. MK 186 Remote Firing Device. This program acquires a commercial radio firing device system as a replacement for the outdated MK 30/MK 100 remote firing system. The MK 186 consists of one transmitter and eight detonators. The MK 186 has proven to meet or exceed the requirements of the MK 30/MK 100 while affording increased performance and lighter weight. This item is an interim replacement until the RAMS system can be developed and qualified for use by NSW units.</p>		

P-1 SHOPPING LIST, ITEM NO. 63

UNCLASSIFIED

Page 4 of 5 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	FEBRUARY 1995
<p>7. MK 186 Remote Firing Device (Cont'd.)</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds are required for the procurement of the MK 186 Remote Firing Device to replace the MK 100/30 Remote Firing Device System which has been removed from the inventory system.</p> <p>Note: The P-20 Exhibits (Requirements Study) are classified and not included with the Budget Submission. These documents can be furnished upon request.</p>		

P-1 SHOPPING LIST, ITEM NO. 63

UNCLASSIFIED

Page 5 of 5 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION		A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2				B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT				C. DATE: FEBRUARY 1995					
Weapon System Cost Elements		Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997			
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	
1. SMALL ARMS/LANDING PARTY AMMO															
HARDWARE															
A. Shotgun Cartridges (All Types)		A			1,778			340			69				
B. 5.56mm Cartridges (All Types)		A			197			3,837			1,053				40
C. 7.62mm Cartridges (All Types)		A			3,728			2,727			1,375				1,296
D. 9mm Cartridges (All Types)		A			85			952			485				2,480
E. .38 Cal Cartridges (All Types)		A						35							265
F. .45 Cal Cartridges (All Types)		A			252			468			29				44
G. .50 Cal Cartridges (All Types)		A			3,993			1,232			576				560
H. Grenades (All Types)		A			1,349			81			1,053				360
Subtotal					11,382			9,672			4,640				637
PRODUCTION SUPPORT															5,682
K. PRODUCTION ENGINEERING		N/A			241			248			391				403
L. PRODUCT IMPROVEMENT		N/A			98			101			25				25
M. NON STANDARD ITEMS		N/A			876			95			100				100
Subtotal					1,215			444			516				528
TOTAL SMALL ARMS/LANDING PARTY AMMUNITION					12,597			10,116			5,156				6,210
2. OTHER SHIPGUN MUNITIONS															
HARDWARE															
A. 25mm Cartridges (All Types)		A									3,908				3,865
B. 40mm Cartridges (All Types)		A									1,160				920
C. 60mm Cartridges (All Types)		A													147
E. ROCKETS		A									6,886				4,814
Subtotal											11,954				9,746
PRODUCTION SUPPORT															
F. PRODUCTION ENGINEERING											336				399

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2				B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT						C. DATE: FEBRUARY 1995			
	Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997			
		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	
Weapon System Cost Elements														
2. OTHER SHIPGUN MUNITIONS (Cont'd)														
G. PRODUCT IMPROVEMENT														
Subtotal														50
TOTAL OTHER SHIPGUN MUNITIONS														449
														10,195
3. MK V SPECIAL OPERATIONS CRAFT (SOC) AMMUNITION														
HARDWARE														
A. 7.62mm Cartridges	A													1,110
B. .50 Cal Cartridges (All Types)	A													3,933
C. 25mm/30mm Cartridges (All Types)	A													2,566
Subtotal														7,609
PRODUCTION SUPPORT														
D. GAGES	N/A													41
E. PRODUCTION ENGINEERING	N/A													188
Subtotal														229
TOTAL MK V SOC AMMUNITION														7,838
4. NAVY PYRO/DEMO														
HARDWARE														
A. SIGNALS	A												VAR	219
B. TRAINING DEVICES	A												VAR	75
C. EXPLOSIVE CHARGES	A												VAR	2,603
D. LAND MINES	A													
E. BLAST CAPS & INITIATORS	A												VAR	934
F. CUTTERS & CARTRIDGES	A													
G. ANTI-SHIP MINES & COMPONENTS	A													
J. OTHER PYRO/DEMO ITEMS	A												VAR	1,182
Subtotal														5,013

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BUDGET PROCUREMENT HISTORY AND PLANNING						A. DATE: February 1995				
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2						C. P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT				
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
<p>The majority of items listed on the P-5 for this P-1 Line are purchased through the Single Managers for Conventional Ammunition (SMCA).</p> <p>The information required on this form is not available at the unit level.</p>										
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET					DATE		FEBRUARY 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS							
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)			8.559	13.574	15.412	41.826	34.126		52.372

MISSION AND DESCRIPTION: Program provides for various Patrol Coastal and MK V Special Operations Craft maritime modifications and consolidates them into a single line item, instead of having modifications funded with the end items.

1. Patrol Coastal. Program provides for numerous modifications to the cyclone class patrol coastal (PC) ships. The modifications correct performance deficiencies identified through testing and/or operation. The upgrades improve situational awareness, self defense capabilities, ship handling, speed, and human factors. Funding supports Title K alterations for emergent ship alterations that require depot level expertise or headquarters procured material (\$143 K-FY 1996, \$85-FY 1997, \$112K-FY1997).

FY 1996 PROGRAM JUSTIFICATION: Program procures 78 propellers designed to reduce airborne noise and meet full power requirements, procures three threat warning systems (PRIVATEER - ELINT) to replace the AN/APR-39A(V)1 radar warning systems, procures 13 bridge wing control mods, procures 13 active noise cancellation systems, and modifies the command and control (C2) software.

FY 1997 PROGRAM JUSTIFICATION: Program procures six "second generation" forward looking infrared (FLIR) systems to replace the initially installed "first generation" systems, procures an additional five threat warning systems, procures and installs 13 stern flap mods, and modifies the C2 software.

2. MK V Special Operations Craft (SOC). Program provides pre-planned product improvements to baseline (craft) capabilities in the areas of weapons, electronics, and night vision. Improved weapons/mounts will include GAU-17(7.62MM) mini-guns, MK38 (25MM) chain guns, and MK95 (twin .50 cal) mounts. Electronics improvements will include providing electronic countermeasures and support measures (ECM and ESM) capabilities. Night vision improvements will center on a FLIR capability.

FY 1996 PROGRAM JUSTIFICATION: No FY 1996 actions planned.

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BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995						
P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS								
2. MK V Special Operations Craft (SOC) (Cont'd.) FY 1997 PROGRAM JUSTIFICATION: Begins procurement of improved weapons/mounts (GAU-17 mini-guns, MK38 chain guns, and MK95 twin .50 cal mounts).								
MODIFICATION SUMMARY FOR MARITIME EQUIPMENT								
DESCRIPTION	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
1. PC Command and Control Upgrades			.855	.351	.260	.130	.130	
2. PC Stern Flap Modification				.240	.055	.060		
3. PC Active Noise Cancellation			.869	.070	.060			
4. PC Bridge Controls			.300	.190	.054			
5. PC Threat Warning System			2.395	3.740	3.139	.641		
6. PC Forward Looking Infrared Upgrade				4.933	5.843	1.060	.398	
7. PC Propeller Upgrade			3.997	.220	.347			
8. MK V SOC Weapons				3.745	3.980	.090		
9. Other Outyear Modifications								
A. MK V SOC Forward Looking Infrared					1.562	13.344		
B. MK V Electronics						7.961		
C. PC Mission Dependent Modular Aft Deck						2.258	2.157	2.262

P-1 SHOPPING LIST, ITEM NO. 64

UNCLASSIFIED

146

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE	FEBRUARY 1995
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS		
9. Other Outyear Modifications (Cont'd.)			
D. PC Surface-to-Surface Missile System		16.282	31.441
E. PC K Alterations	.143	.085	.112
TOTAL	8.559	13.574	15.412
		41.826	34.126
			52.372

P-1 SHOPPING LIST, ITEM NO. 64

UNCLASSIFIED

147

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INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

The C2 software upgrades provide incremental improvements to the C2 system for the integration of the FLIR, PRIVATEER (Threat Warning System), SSM, JMCIS, and a display upgrade. The 103 software items of the FY 1996 program support the fleet of 13 patrol coastals. The FY 1997 and 1998 programs each reflect 13 shipsets.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR 8/95 1st trial install: 1/96 1st Production Install: 1/96.

FINANCIAL PLAN: (\$ in millions)

PYs

Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	TC	TOTAL
0.1																	

RDT&E

PROCUREMENT

SBR System		1	0.2														1	0.2
Self Diagnostic Test Sets		9	0.2														9	0.2
Superscan		28															28	
CPU Chassis Mod		52	0.1														52	0.1
V1 ILS and Test		13	0.3														13	0.3
Threat Warning Integration				13	0.1												13	0.1
JMCIS Integration				13	0.3												13	0.3
FLIR Integration						13	0.2										13	0.2
RASCAR Overlay				13	0.1												13	0.1
SSM Integration						7	0.1	6	0.1								13	0.2
Installation of Hardware																		

PYs

FY95																		
FY96 V-1 Install		103	0.1														103	0.1
FY97																		
FY98																		
FY99																		
FY00																		
FY01																		
To Complete																		
Total Installation Cost		103	0.1														103	0.1

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 64

ALTERATION INSTALLATION TEAM

Current Year:

Current Year:

0.9

0.4

0.3

0.1

0.1

0.1

0.1

1.8

PRODUCTION LEADTIME: 2 MONTHS

Budget Year 2: 1/97

Budget Year 2: 3/97

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS
 MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE
 INSTALLATION SCHEDULE:

QUARTERS
 INPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

	FY 1995			
	1	2	3	4

	FY 1996			
	1	2	3	4

	FY 1997			
	1	2	3	4

PY
 FY 95
 FY 96
 FY 97
 FY 98
 FY 99
 FY 2000
 FY 2001

QUARTERS
 OUTPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

	FY 1995			
	1	2	3	4

	FY 1996			
	1	2	3	4

	FY 1997			
	1	2	3	4

PY
 FY 95
 FY 96
 FY 97
 FY 98
 FY 99
 FY 2000
 FY 2001

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS
MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		103
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		
FY 98																		
FY 99																		
FY 2000																		103
FY 2001																		

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

The NDI design Patrol Coastal ship had a minimal margin for growth in weight/displacement. Maintaining the required 35 knot speed is essential for accomplishing the coastal patrol and interdiction mission and self defense. Stern flaps will improve the ship's ability to maintain the required speed at the current displacement. The installation must be accomplished in dry dock, so installations coincide with scheduled dry dock availabilities.

1st trial install: 12/96 1st Production Install: 1/97.

Qty \$ 0.1

PROCUREMENT

[illegible]

METHOD OF IMPLEMENTATION:

Current Year:

P-1 SHOPPING LIST, ITEM NO. 64

Budget Year 1:

Budget Year 1:

ADMINISTRATIVE LEADTIME: 1 MONTH

PRODUCTION LEAD TIME: 1 MONTH

77

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY																
FY 95																
FY 96																
FY 97																
FY 98																
FY 99																
FY 2000																
FY 2001																

QUARTERS OUTPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY																
FY 95																
FY 96																
FY 97																
FY 98																
FY 99																
FY 2000																
FY 2001																

UNCLASSIFIED

MODIFICATION OF

MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION

QUARTERS INPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97		2	1	
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1999				
1	2	3	4	
		2	2	

[illegible][illegible]

TO							
COMP							

TOT
PGM
.
.13
.
.
.
.

QUARTERS OUTPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97	2		2	1
FY 98				
FY 99				
FY 2000				
FY 2001				

[illegible][illegible][illegible]

TO							
COMP							

TOT	
PGM	
13	

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION
INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

	FY 1995			
	1	2	3	4

	FY 1996			
	1	2	3	4

	FY 1997			
	1	2	3	4

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

QUARTERS
OUTPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

	FY 1995			
	1	2	3	4

	FY 1996			
	1	2	3	4

	FY 1997			
	1	2	3	4

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

P-1 SHOPPING LIST, ITEM NO. 64

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96	2	2		2														12
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96	2	4		2														12
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

P-1 SHOPPING LIST, ITEM NO. 64

Page 3 of 3
Exhibit P-3A

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

Bridge wing controls are required to improve ship handling/maneuverability at the pier. Each ship will have controls installed on both bridge wings.

DATE: FEBRUARY 1995

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

1st trial install: 11/96; 1st Production Install: 11/96.

FINANCIAL PLAN: (\$ in millions)

[illegible]

RDT&E

PROCUREMENT

[illegible]

Installation of Hardware

PYs						
FY95						
FY96		10	0.2	3	0.1	13 0.3
FY97						
FY98						
FY99						
FY00						
FY01						
To Complete						
Total Installation Cost		10	0.2	3	0.1	13 0.3

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 64

ALTERATION INSTALL TEAM

Current Year:

Current Year:

	0.3	0.2	0.1	ADMINISTRATIVE LEADTIME: 6 MONTHS
1	0.0000	0.0000	0.0000	
2	0.0000	0.0000	0.0000	
3	0.0000	0.0000	0.0000	
4	0.0000	0.0000	0.0000	
5	0.0000	0.0000	0.0000	
6	0.0000	0.0000	0.0000	
7	0.0000	0.0000	0.0000	
8	0.0000	0.0000	0.0000	
9	0.0000	0.0000	0.0000	
10	0.0000	0.0000	0.0000	
11	0.0000	0.0000	0.0000	
12	0.0000	0.0000	0.0000	
13	0.0000	0.0000	0.0000	
14	0.0000	0.0000	0.0000	
15	0.0000	0.0000	0.0000	
16	0.0000	0.0000	0.0000	
17	0.0000	0.0000	0.0000	
18	0.0000	0.0000	0.0000	
19	0.0000	0.0000	0.0000	
20	0.0000	0.0000	0.0000	
21	0.0000	0.0000	0.0000	
22	0.0000	0.0000	0.0000	
23	0.0000	0.0000	0.0000	
24	0.0000	0.0000	0.0000	
25	0.0000	0.0000	0.0000	
26	0.0000	0.0000	0.0000	
27	0.0000	0.0000	0.0000	
28	0.0000	0.0000	0.0000	
29	0.0000	0.0000	0.0000	
30	0.0000	0.0000	0.0000	
31	0.0000	0.0000	0.0000	
32	0.0000	0.0000	0.0000	
33	0.0000	0.0000	0.0000	
34	0.0000	0.0000	0.0000	
35	0.0000	0.0000	0.0000	
36	0.0000	0.0000	0.0000	
37	0.0000	0.0000	0.0000	
38	0.0000	0.0000	0.0000	
39	0.0000	0.0000	0.0000	
40	0.0000	0.0000	0.0000	
41	0.0000	0.0000	0.0000	
42	0.0000	0.0000	0.0000	
43	0.0000	0.0000	0.0000	
44	0.0000	0.0000	0.0000	
45	0.0000	0.0000	0.0000	
46	0.0000	0.0000	0.0000	
47	0.0000	0.0000	0.0000	
48	0.0000	0.0000	0.0000	
49	0.0000	0.0000	0.0000	
50	0.0000	0.0000	0.0000	
51	0.0000	0.0000	0.0000	
52	0.0000	0.0000	0.0000	
53	0.0000	0.0000	0.0000	
54	0.0000	0.0000	0.0000	
55	0.0000	0.0000	0.0000	
56	0.0000	0.0000	0.0000	
57	0.0000	0.0000	0.0000	
58	0.0000	0.0000	0.0000	
59	0.0000	0.0000	0.0000	
60	0.0000	0.0000	0.0000	
61	0.0000	0.0000	0.0000	
62	0.0000	0.0000	0.0000	
63	0.0000	0.0000	0.0000	
64	0.0000	0.0000	0.0000	
65	0.0000	0.0000	0.0000	
66	0.0000	0.0000	0.0000	
67	0.0000	0.0000	0.0000	
68	0.0000	0.0000	0.0000	
69	0.0000	0.0000	0.0000	
70	0.0000	0.0000	0.0000	
71	0.0000	0.0000	0.0000	
72	0.0000	0.0000	0.0000	

Budget Year 1: 3/96

Budget Year 1: 4/96

PRODUCTION LEADTIME: 3 MONTHS

Budget Year 2:

Budget Year 2:

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS

INSTALLATION SCHEDULE:

QUARTERS
INPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
2	2	2	4

PY

FY 95

FY 96

FY 97

FY 98

FY 99

FY 2000

FY 2001

QUARTERS
OUTPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
2		4	2

PY

FY 95

FY 96

FY 97

FY 98

FY 99

FY 2000

FY 2001

P-1 SHOPPING LIST, ITEM NO. 64

Page 2 of 3
Exhibit P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96		2	1															13
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96	2	2	1															13
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

P-1 SHOPPING LIST, ITEM NO. 64

Page 3 of 3
Exhibit P-3A

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL THREAT WARNING SYSTEM (TWS)

DATE: FEBRUARY 1995

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

Existing deficiencies of the AN/APR-39A(V)1 radar warning system cannot be overcome with improved or additional threat libraries. Twelve (12) commercial off-the-shelf threat warning systems which are more suitable and reliable will be procured and installed. The thirteenth system was procured under the PRIVATEER RDT&E program and will remain installed on PC-7 after testing.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

1st trial install: 2/95; 1st Production Install: 9/97.

FINANCIAL PLAN: (\$ in millions)

[illegible]

PROCUREMENT

[illegible]

Installation of Hardware

PY's										
FY95										
FY96										
FY97			3	0.4						
FY98					5	0.6				
FY99							4	0.6		
FY00										
FY01										
To Complete										
Installation Cost			3	0.4	5	0.6	4	0.6		12 1.6

Total Installation Cost

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

Current Year:

Current Year:

P-1 SHOPPING LIST. ITEM NO. 64

2.4	37	31	06
2.4	37	31	06

ADMINISTRATIVE LEADTIME: 0 MONTH

Budget Year 1: 3/96

Budget Year 1: 4/97

ADMINISTRATIVE LEADTIME: 9 MONTHS

Budget Year 2: 2/97

Budget Year 2: 3/98

PRODUCTION LEADTIME: 14 MONTHS

2/97
PROBATION SET ASIDE, 14 MONTHS

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL THREAT WARNING SYSTEM
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY																
FY 95																
FY 96																
FY 97																3
FY 98																
FY 99																
FY 2000																
FY 2001																

QUARTERS OUTPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY																
FY 95																
FY 96																
FY 97																
FY 98																
FY 99																
FY 2000																
FY 2001																

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL THREAT WARNING SYSTEM

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97		2	1	2
FY 98			2	2
FY 99				
FY 2000				
FY 2001				

[illegible][illegible][illegible]

TO							
COMP							

TOT.							
PGM							
			3				
			5				
			4				

QUARTERS OUTPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97	3			
FY 98		2	1	2
FY 99			2	2
FY 2000				
FY 2001				

[illegible][illegible][illegible]

TO								
COMP								

TOT	
PGM	
3	
5	
4	

P-1 SHOPPING LIST, ITEM NO. 64

Page 3 of 3
Exhibit P-3A

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL FORWARD LOOKING INFRARED (FLIR) UPGRADE

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

The "first generation" FLIR that was affordable and available in the NDI acquisition of the patrol coastal ships is operationally insufficient for the coastal patrol and interdiction mission and SEAL support. The installed FLIRs will be replaced by commercial off-the-shelf "second generation" systems to improve the patrol coastal's situational awareness and self defense capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

1st trial install: 7/98 1st Production Install: 7/98.

FINANCIAL PLAN: (\$ in millions)

RDT&E

PROCUREMENT

[illegible]

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 64

Current Year:

Current Year:

ADMINISTRATIVE LEADTIME:

Budget Year 1: 1/98

Budget Year 1: 4/98

PRODUCTION LEADTIME:

Budget Year 2: 2/09

Budget Year 2: 3/09

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION TITLE: PATROL COASTAL FORWARD LOOKING INFRARED (FLIR) UPGRADE
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY																
FY 95																
FY 96																
FY 97																
FY 98																
FY 99																
FY 2000																
FY 2001																

QUARTERS OUTPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY																
FY 95																
FY 96																
FY 97																
FY 98																
FY 99																
FY 2000																
FY 2001																

P-1 SHOPPING LIST, ITEM NO. 64

Page 2 of 3
Exhibit P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS
 MODIFICATION TITLE: PATROL COASTAL FORWARD LOOKING INFRARED (FLIR) UPGRADE
 INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				2
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1999			
1	2	3	4
2		2	
		2	2

FY 2000			
1	2	3	4
2	1		

TO COMP

TOT PGM
6
7

QUARTERS OUTPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				2
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1999			
1	2	3	4
	2		2
		2	

FY 2000			
1	2	3	4
4	1		

TO COMP

TOT PGM
6
7

UNCLASSIFIED

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE

MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

DATE: FEBRUARY 1995

Replacement of existing propellers is required to reduce airborne noise in berthing compartments (a sea trial deficiency) and to meet full power absorption requirements at a higher full load displacement. A total of 78 propellers will be procured; 52 will be installed and the remaining 26 will be spares for the 13 ships.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

1st trial install: 6/97; 1st Production Install: 6/97.

FINANCIAL PLAN: (\$ in millions)[illegible]

RDT&E

PROCUREMENT

[illegible]

Installation of Hardware

[illegible]

Total Installation Cost

* Note: There will be 13 shipsets (4 propellers each) procured and installed. The remaining propellers (26) will be procured as spares.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE: _____
CURRENT YEAR: _____

Budget Year 1: 2/97

Budget Year 2:

ADMINISTRATIVE LEADTIME: 9 MONTHS

PRODUCTION LEADTIME: 9 MONTHS

4.5

Total Installation Cost	
5	0.2
8	0.3

* Note: There will be 13 shipsets (4 propellers each) procured and installed. The remaining propellers (26) will be procured as spares.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

DELIVERY DATE: _____
CURRENT YEAR: _____

Budget Year 1: 2/97

Budget Year 2:

ADMINISTRATIVE LEADTIME: 9 MONTHS

PRODUCTION LEADTIME: 9 MONTHS

4.5

P-1 SHOPPING LIST, ITEM NO. 64

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE

INSTALLATION SCHEDULE:

QUARTERS
INPUT

	FY 1994			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
		1	4

QUARTERS
OUTPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4
		1	4

P-1 SHOPPING LIST, ITEM NO. 64

UNCLASSIFIED

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97																		13
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96		6		2														13
FY 97																		
FY 98																		
FY 99																		
FY 2000																		
FY 2001																		

INDIVIDUAL MODIFICATION

MODELS OF SYSTEMS AFFECTED: MK V SOC

DATE: FEBRUARY 1995

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

RDT&E[illegible]

PY's					
FY95					
FY96					
FY97		10	0.1		
FY98				10	0.1
FY99					
FY00					
FY01					
To Complete					

Total Procurement Cost

CONTRACT DATE:

P-1 SHOPPING LIST, ITEM NO. 64

Current Year:

Current Year:

ADMINISTRATIVE LEADTIME: N/A

Budget Year 1: 1/97

Budget Year 1: 1/98

0.1

N/A

1

PRODUCTION LEADTIME:

Budget Year 2: 1/98

Budget Year 2: 1/99

	10	0.1	10	0.1	20	0.2
Total Installation Cost						

7.8

Page 1 of 3
EXHIBIT P-3A

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MK V SOC WEAPONS
INSTALLATION SCHEDULE:

QUARTERS
INPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

QUARTERS
OUTPUT

FY 1994			
1	2	3	4

FY 1995			
1	2	3	4

FY 1996			
1	2	3	4

FY 1997			
1	2	3	4

PY
FY 95
FY 96
FY 97
FY 98
FY 99
FY 2000
FY 2001

P-1 SHOPPING LIST, ITEM NO. 64

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MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MK V SOC WEAPONS

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97	10																	10
FY 98					6	4												10
FY 99																		
FY 2000																		
FY 2001																		

QUARTERS OUTPUT	FY 1998				FY 1999				FY 2000				FY 2001				TO COMP	TOT PGM
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
PY																		
FY 95																		
FY 96																		
FY 97	10																	10
FY 98					6	4												10
FY 99																		
FY 2000																		
FY 2001																		

P-1 SHOPPING LIST, ITEM NO. 64

Page 3 of 3
Exhibit P-3A

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BUDGET ITEM JUSTIFICATION SHEET				DATE		FEBRUARY 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS						
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions \$)			35.876	52.896	43.975	17.549	9.293	537
MISSION AND DESCRIPTION: Consolidates all spares and repair parts funding into a single line item, rather than having the funding spread across several line items.								
1. Aircraft Initial Spares. This program finances both initial weapon system and aircraft modification spares. Initial weapon system spares include new production spares, peculiar support equipment spares, and upgrades to existing spares required to support initial operations of new aircraft and increases in the inventory of additional end items. Aircraft modification spares include new spare parts required during the initial operation of modified airborne systems. Effective FY94, Defense Management Review Decision 904 directed the stock funding of initial spares. Therefore, procurement dollars will no longer be used to order the item, but sufficient dollars will be required to reimburse the stock fund upon delivery of initial spare assets. This is a must fund requirement.								
FY 1996 PROGRAM JUSTIFICATION: Reimburses the stock fund for deliveries of initial spares in support of the MC-130H and AC-130U aircraft and the following modifications: APR-46 Improvements; ALQ-172 Upgrade; HC-130P/N SOFI; Directional Infrared Countermeasures (DIRCM); MH-53J Shipboard Operations; TH-53A Conversion; MH-53J SLEP; MH-53J Crashworthy Fuel System; AAQ-17 Enhanced FLIR; and APQ-122 Radar.								
FY 1997 PROGRAM JUSTIFICATION: Reimburses the stock fund for deliveries of initial spares in support of the MC-130H and AC-130U aircraft and the following modifications: APR-46 Improvements; ALQ-172 Upgrade; HC-130P/N SOFI; DIRCM; MH-53J Shipboard Operations; TH-53A Conversion; MH-53J SLEP; MH-53J Crashworthy Fuel System; AAQ-17 Enhanced FLIR; and APQ-122 Radar.								

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS	FEBRUARY 1995
<p>2. MK 8 Mod 1 Seal Delivery Vehicle (SDV). Funds the procurement and installation of spare parts for engineering improvements to the MK 8 Mod 1 SDV Service Life Extension Program.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds will be used to procure spare parts to support engineering improvements to four SDVs. This will include Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct Current Propulsion Motor, and Pilot/Navigator Displays.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Funds will be used to procure spare parts to support engineering improvements to four SDVs. This will include Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct Current Propulsion Motor, and Pilot/Navigator Displays.</p> <p>3. MK V Special Operations Craft (SOC). Funds the procurement and delivery of spares, repair parts and initial consumables that constitute operational deployment packages and major (shore based) spares "kits".</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds deployment package requirements for the second and third operational MK V SOC (2 craft) detachments and the first major (shore based) spares "kit".</p> <p>FY 1997 PROGRAM JUSTIFICATION: Funds three deployment packages and four major (shore based) spares "kits".</p>		

P-1 SHOPPING LIST, ITEM NO. 65

UNCLASSIFIED

Page 2 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

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Page 1 of 1 Page
EXHIBIT P-5, Weapon System Cost Analysis

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BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: FEBRUARY 1995	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2			C. P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS								
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
1. MK V Special Operations Craft											
A. Major (Shore Based) Spares (Kit)											
FY 96	VARIOUS	C/FP	USSOCOM	OCT 95	JUN 96	1	3,230,000	YES	NO		
FY 97	VARIOUS	C/FP	USSOCOM	OCT 96	JUN 97	4	2,569,750	YES	NO		
B. Deployment Package											
FY 96	VARIOUS	C/FP	USSOCOM	OCT 95	JUN 96	2	1,841,000	YES	NO		
FY 97	VARIOUS	C/FP	USSOCOM	OCT 96	JUN 97	3	1,658,667	YES	NO		

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BUDGET ITEM JUSTIFICATION SHEET										DATE	FEBRUARY 1995
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS									
		FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01		
QUANTITY											
COST (In Millions \$)	44.806		15.098	32.824	34.664	43.140	56.144	45.696	35.666		
<p>MISSION AND DESCRIPTION: This program provides for communication systems to support Special Operations Forces (SOF). The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require communications equipment that will improve their war fighting capability without degrading their mobility. Therefore, SOF Communications Equipment & Electronics is a continuing effort to develop and procure light weight and efficient SOF Command, Control, Communications, and Computer (C4) requirements.</p> <p>USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computer and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere is a multitude of existing and projected national assets that will allow SOF elements to operate with any force combination in multiple environments. The C4I programs funded in this procurement line are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).</p> <p><u>OPERATIONAL ELEMENT (TEAM)</u></p> <p>1. HF Manpack Radios. Improved Special Operations Forces HF Manpack Radio System (ISHMRS) is a variable power (up to 20 watts for manpack and 100 watts for vehicular) radio which replaces the aging PRC-104. It has an internal modem which provides automatic link establishment (ALE) and embedded Communications Security (COMSEC) data capability. An adaptive capability allows optimal frequency management. Reduces rucksack load (weight and size) for the operator.</p>											

P-1 SHOPPING LIST, ITEM NO. 66

UNCLASSIFIED

EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 9 Pages

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		
<p>1. HF Manpack Radios (Cont'd.)</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures a combined total of 300 ISHMRS radios for Army and Navy SOF.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures a combined total of 150 ISHMRS radios for Joint SOF use.</p> <p>2. Special Mission Radio System (SMRS). SMRS is a radio system that provides SOF with a near term solution for a lightweight, Low Probability of Intercept/Low Probability of Detection (LPI/LPD) manpack high frequency radio. Deployed in hostile and clandestine environments. The system consists of the AN/PRC-137 manpack radio and the AN/TRQ-43 base station radio, and provides hardware improvements, software documentation, and initial spares.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Upgrades 262 SMRS radios/base stations through P3I technology insertion.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Upgrades remaining 261 SMRS radios/base stations through P3I technology insertion.</p> <p>3. Multi-Band Inter/Intra Team Radio (MBITR). The MBITR provides inter-team radios for SOF components and eliminates the need for multiple radios currently required to support Special Tactics units performing air traffic control instructions, flight data, artillery advisories, Forward Area Rapid Refueling Point (FARRP) operations and liaison communications with the ground force commander. Provides initial procurement of MBITRs for Special Tactics Units.</p> <p>4. Miniature Multiband Beacon (MMB). The MMB provides a 3-band, man-portable, radar transponder beacon, operating in the Ku, Ka and I bands that responds to interrogation from aircraft/shipboard radars. It provides enroute navigation, deep zone location and point designation for accurate delivery of ordnance.</p>		

P-1 SHOPPING LIST, ITEM NO. 66

Page 2 of 9 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		
<p>5. Land Mobile Radio (LMR) Controller. Procures a dedicated, single site LMR controller for the 16th SOW, Hurlburt Field, FL which eliminates dependency on the current controller located at Eglin AFB. This capability is essential to increase unit flexibility, and command and control capabilities. When fielded by the 16th SOW, the unit will control use of the land mobile radio system to enhance sortie generation and mission accomplishment.</p> <p>6. Data Burst Device. This program procures the next generation data burst device which will replace the Digital Message Entry Device and AN/PSC-2. The handheld terminal unit (HTU) will have a radio and computer port interface for expedient transmission of data.</p> <p>7. Aircraft Wireless Intercom System (AWIS). AWIS allows reliable communications between SO aircraft crew members both external and internal to the aircraft, without the need for a physical hardware connection between the crew member and the aircraft. AWIS is self-contained, portable, lightweight, and easily interchangeable between the various SO aircraft.</p> <p>8. AN/PRC-117D. The AN/PRC-117D is a multi-band radio operating in the VHF FM (30-90MHz), UHF FM/AM (225-420 MHz) and SATCOM (243-319 MHz) bands. Compatible with virtually all currently deployed VHF/UHF radios, the AN/PRC-117D features built-in Electromagnetic Counter Countermeasures (ECCM) frequency hopping and NSA-endorsed KY-57/KY-58 compatible COMSEC in all bands.</p> <p>9. UHF/AM Radio AN/PRC-113. The AN/PRC-113 is a manpackable VHF/UHF/AM radio used for forward area control, air traffic control and airlift support operations. The PRC-113 provides improved communications for air-to-ground missions in a lightweight configuration with increased reliability.</p> <p>10. SOF Modular communications (MOD COMM). Provides palletizable communications suites for AFSOC operations. The AFSOC mobile communications package will be small enough (48"x50"x48") to be transportable in the back of a vehicle or load onto a 463L aircraft pallet. The AFSOC mobile communications package replaces the Special Communications Integrated Package (SCIP) which has become logistically unsupportable. The mobile communications package will provide a lightweight, highly transportable communications suite fielded by Special Operations Communications Flights (SOFCS).</p>		

P-1 SHOPPING LIST, ITEM NO. 66

UNCLASSIFIED

Page 3 of 9 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		
<p>11. Patrol Boat Riverine (PBR) C3 Upgrades. This upgrade replaces the old HF only VRC-46 with the VHF/HF URC-94 radio. This funding continues to upgrade PBR craft that primarily operate in South America. Current radios are limited in reliability and range.</p> <p>12. NSW Tactical Radio Systems (TRS). Provides NSW maritime tactical communications system which provides radio control/interior communications and a drop-in communications package (DICP) capable of housing any combination of up to five HF, VHF, UHF, and SATCOM radios and associated crypto. Additionally, it includes a communications-capable helmet and single multi-frequency antenna which consolidates existing antenna.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Continues procurement and installation of TRS. Provides funding for 18 additional TRSs.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Completes procurement and installation of TRS. Provides funding for 18 additional TRSs.</p> <p>13. Multiband/Multimission Radio (MBMMR). A joint SOF requirement, MBMMR provides a lightweight, secure manpackable, multi-band transceiver capability replacing the AN/PRC-77, AN/PRC-85, AN/PRC-113, HST-4, and LST-5B/C. MBMMR provides VHF-FM, VHF-AM, UHF-AM, and UHF-FM satellite communications in a single radio, reducing the number of team radios carried by each team. Current deployments require teams to carry a minimum of five radios capable of operating in seven frequency bands.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures an initial delivery of 260 MBMMRs for Air Force SOF (AFSOC) Special Tactics and Naval Special Warfare (NSW) teams.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures 220 MBMMRs for AFSOC Special Tactics and NSW teams.</p>		

P-1 SHOPPING LIST, ITEM NO. 66

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		
<p>14. AN/PRC-117C. The AN/PRC-117 VHF/FM radio is used for short range, local area communications. In an Area of Operations (AO), this radio provides inter-team connectivity and is interoperable with other SOF forces radios.</p> <p><u>ABOVE OPERATIONAL ELEMENT (DEPLOYED)</u></p> <p>15. SOF Tactical Assured Connectivity Systems (SOFTACS). This line was formerly TACTICAL C4I. The SOFTACS program will provide significantly increased information transfer capability to deployed Special Operations Forces (SOF). It will field an integrated and balanced suite of communications systems designed to support the high capacity, digital, secure, interoperable transmission and switching requirements of emerging SOF command, control, communications, computer, and intelligence programs. SOFTACS will procure initial elements of a theater C4 equipment in support of the SOF Intelligence Van, Man-Transportable SOCRATES, and Psychological Operations Automation System.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures voice switches and tri-band Secure High Frequency Satellite Communications (SHF SATCOM) terminals required for the high volume of information for deployed SOF C3I nodes.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures voice switches and tri-band SHF SATCOM terminals required for the high volume of information for deployed SOF C3I nodes.</p> <p>16. International Maritime Satellite Terminal (INMARSAT). INMARSAT provides digital commercial satellite communications, reducing dependency on military UHF satellite communications for long-range, non-combatant missions. Logistics and humanitarian requirements such as communications required by embassy liaisons, foreign internal defense, disaster relief efforts, search and rescue coordination, and administrative support have congested SOF UHF tactical satellite nets. SOF are normally allocated extremely limited access to military UHF satellite assets to meet long-range communication requirements.</p>		

P-1 SHOPPING LIST, ITEM NO. 66

UNCLASSIFIED

Page 5 of 9 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		
<p>17. Special Forces Base Station (SFBS). SFBS is a small, transportable, low profile, high burst rate, base station with the capability of being deployed in one C-130 or C-141 aircraft. This is the initial procurement of production hardware for this system.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures first two production systems for Army SOF.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures four production systems for Army SOF.</p> <p>18. Task Group C3 Van Upgrades. These vans are the "work horses" of the Naval Special Warfare (NSW) community, providing essential communications between the platoon and the task group. The upgrades provide improved SOF interoperability and fleet compatibility through change-out of antiquated equipment and addition of state-of-the-art communications capabilities.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Upgrades two of six total task group vans with state-of-the-art C-E units.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Upgrades one of six total task group vans with state-of-the-art C-E units.</p> <p>19. Task Unit C3 Van Comm System. This system consists of a small, lightweight, on/off road, self-contained, diesel powered, air-transportable communications shelter which enables NSW task units to rapidly relay and receive tactical and intelligence information from infiltrated elements to higher authority. Communications-electronics (C-E) will be a highly modularized, internally configured suite allowing for rapid installation and/or removal of individual equipment or the entire suite in support of mission specific scenarios.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Upgrades two of six total task unit C3 vans with communications capabilities.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Upgrades remaining four of six total task unit C3 vans with communications capabilities.</p>		

P-1 SHOPPING LIST, ITEM NO. 66

UNCLASSIFIED

Page 6 of 9 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	FEBRUARY 1995
<p>20. Theater Special Operation Commands (SOC). Theater SOC Contingency Communication Support provides for an organic, initial, rapid response and sustained contingency communication support package. This capability is required to support the deployed SOC element prior to the establishment of and transition to a Joint Special Operations Task Force (JSOTF). The goal is to provide the SOC with communications systems that can be supported with their present manpower capability. These systems will also allow the SOC to comply with the SOF architecture by buying systems that will interface with the other national assets of the infosphere.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Continues SOC quick reaction communications support. Procures systems such as Satellite Communications (SATCOM), imagery, INMARSAT terminals, Interteam radios, and deployable automated data processing equipment. These C4 systems are required to provide the SOC the necessary Command and Control capability. These systems will also allow the SOC to comply with the SOF architecture by buying systems that will interface with the infosphere.</p> <p>21. NSW Fixed Base Station. Provides for an administrative base station at the unit and detachment level to monitor exercises, training, and requalification activities.</p> <p>22. Tactical Switchboards. This program buys the SB-3614(VI) digital switchboard used at the Air Force SOF. It has a 30-line capability for direct dial telephone access.</p> <p>23. AM-7175 Amplifier. The AM-7175 UHF power amplifier provides NSW units with a solid-state unit providing up to 200 watts of power in the 225-400 Mhz band. This unit is compatible with a variety of modulation schemes including AM, FM, and CW. Designed for use in a maritime environment, the AM-7175 is sealed in a weather-resistant housing to permit continuous operation in virtually all weather conditions.</p>		

P-1 SHOPPING LIST, ITEM NO. 66

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS		
<p><u>ABOVE OPERATIONAL ELEMENT (GARRISON)</u></p> <p>24. Army Special Operations Command Network (ASOCNET). U.S. Army Special Operations Command requires an automated C2 system supported by a communication network to improve and facilitate the command and control, readiness and management of its mission responsibilities. ASOCNET will provide Command and Control (C2) through the interchange of information among commanders and staff personnel. ASOCNET is a series of local area networks under the direction of a Command Automation Center (CAC), capable of E-Mail processing and entry to the Defense Data Network with the ability to access other government systems. The CAC is located at Ft. Bragg with connectivity to other SOF CONUS locations. This system will significantly improve operations capability through the necessary interchange of both classified and unclassified information designed to enhance operations readiness, system reliability, maintainability and security.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures necessary hardware and software to populate the LAN/WAN Metropolitan system.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures necessary hardware and software to populate the LAN/WAN Metropolitan system.</p> <p>25. SOF C4 Automated Information System (AIS). This program consolidates and provides upgrades for HQ USSOCOM, NSW, and AFSOC LAN. The program consists of 39 nodes and is expanding. The USSOCOM LAN/WAN provides the multi-level secure C4 AIS infrastructure for world-wide information flow between the headquarters, components, and SOCs. The AIS is in compliance with DOD standards and has been selected as a CIM migration system. The capabilities include office automation, secure dial-in, e-mail, wordprocessing, database, graphics, desktop publishing, project management, and automated message handling.</p> <p>26. SCAMPI. This program provides a robust, seamless, automated communications network that enables dissemination of command, control, communications, and intelligence (C3I) information among HQ USSOCOM, its components and their major subordinate units, and selected government agencies and activities directly associated with the SOF community. Garrison C3I extends SCAMPI into the garrison locations of OCONUS forward deployed theater SOF elements, and the field/remote locations of deployed SOF via SCAMPI tactical gateways. The program consists of 39 nodes and is expanding.</p>		

P-1 SHOPPING LIST, ITEM NO. 66

UNCLASSIFIED

Page 8 of 9 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	FEBRUARY 1995
27. Video Teleconference (VTC) Facility. VTC provides collateral and SCI video teleconferencing capabilities. It links HQ USSOCOM, JSOC, Washington Office, ASD SO/LIC, AFSOC, NAVSPECWARCOM, and USASOC. Gateway access at HQ USSOCOM also allows access into the Defense Commercial Telecommunications Network. Using SCAMPI as the transmission backbone, VTC will support two collateral, and one SCI simultaneous conferences.		

P-1 SHOPPING LIST, ITEM NO. 66

UNCLASSIFIED

Page 9 of 9 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Line Item Nomenclature COMMUNICATIONS EQUIPMENT & ELECTRONICS								C. DATE: FEBRUARY 1995		
	Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997				
		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost		
Weapon System Cost Elements															
1. HF MANPACK RADIOS (ISHMRS)	A														
A. Hardware		27.100	90	2,439	25.773	150	3,866	22.487	300	6,746	21.093	150	3,164		
Subtotal				2,439			3,866			6,746			3,164		
2. SMRS	A														
A. Hardware		33.342	313	10,436				8.523	262	2,233	7.943	261	2,073		
Subtotal				10,436						2,233			2,073		
3. INTERTEAM RADIO	A														
A. Hardware					7.250	100	725								
Subtotal							725								
4. MINI MULTIBAND BEACON (MMB)	B														
A. Hardware		27.433	90	2,469											
Subtotal				2,469											
5. LMR CONTROLLER	A														
A. Hardware		73.000	1	73											
Subtotal				73											
6. DATA BURST DEVICE	A														
A. Hardware		22.765	17	387											
Subtotal				387											
7. ACFT WIRELESS INTERCOM SYS (AWIS)	B														
A. Hardware		22.373	150	3,356											
B. Production Support				100											
Subtotal				3,456											

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement		A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	B. Line Item Nomenclature COMMUNICATIONS EQUIPMENT & ELECTRONICS								C. DATE: FEBRUARY 1995	
		Ident.	FY 1994			FY 1995			FY 1996			
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost
15. SOFTACS												
A. Hardware	A											
Subtotal												
16. INMARSAT												
A. Hardware	A											
Subtotal												
17. SFBS												
A. Hardware	A											
Subtotal												
18. TASK GP C3 VAN UPGRADES	B											
A. Hardware		581.000	1	581								
Subtotal				581								
19. TASK UNIT C3 VAN												
A. Hardware												
Subtotal												
20. THEATER SOCS	N/A											
A. Hardware												
Subtotal												
21. NSW FIXED BASE STATION	A											
A. Hardware		190.000	1	190								
Subtotal				190								

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Line Item Nomenclature COMMUNICATIONS EQUIPMENT & ELECTRONICS								C. DATE: FEBRUARY 1995		
	Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997				
		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost		
22. TACTICAL SWITCHBOARDS	A														
A. Hardware		52,200	10	522											
Subtotal				522											
23. AM-7175 AMPLIFIER	A														
A. Hardware		18,000	20	360											
Subtotal				360											
24. ARMY SOC NETWORK (ASOCNET)	B														
A. Hardware			VAR	651		1,644	VAR	1,630		VAR		1,740			
Subtotal				651		1,644		1,630				1,740			
25. SOF C4 AIS															
A. Hardware			VAR	2,691		1,073	VAR								
Subtotal				2,691		1,073									
26. SCAMPI	N/A														
A. Hardware			VAR	4,335		568	VAR	568							
Subtotal				4,335		568									
27. VIDEO TELECON FACILITY (VTC)	N/A														
A. Hardware			VAR	3,538											
Subtotal				3,538											
										</					

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. HF MANPACK RADIOS (ISHMRS)										
A. HARDWARE										
FY 94	UNKNOWN	C/FP OPTION	USSOCOM	JUN 95	NOV 95	90	27.100	YES	NO	
FY 95	UNKNOWN	OPTION	USSOCOM	JUN 95	JAN 96	150	25.773	YES	NO	
FY 96	UNKNOWN	OPTION	USSOCOM	APR 96	OCT 97	300	22.487	YES	NO	
FY 97	UNKNOWN	OPTION	USSOCOM	DEC 96	APR 97	150	21.093	YES	NO	
2. SMRS										
A. HARDWARE										
FY 94	Classified	SS/FP	NSMA	MAR 94	OCT 94	313	33.342			
FY 96	Classified	OPTION	NSMA	MAR 96	JUN 96	262	8.523	NO		
FY 97	Classified	OPTION	NSMA	MAR 97	JUN 97	261	7.943	NO		
3. INTERTEAM RADIO										
A. HARDWARE										
FY 95	UNKNOWN	C/FP	USSOCOM	JUN 95	DEC 95	100	7.250	NO		
4. MINI MULTIBAND BEACON (MMB)										
A. HARDWARE										
FY 94	UNKNOWN	C/FP	USSOCOM	JUN 95	SEP 95	90	27.433	NO		
5. LMR CONTROLLER										
A. HARDWARE										
FY 94	Motorola Scottsdale, AZ	C/FP	NESEA	SEP 94	OCT 94	1	73.000			

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
6. DATA BURST DEVICE A. HARDWARE FY 94	Litton Van Neys, CA	C/FP	NESEA	JAN 94	OCT 94	17	22.765			
7. ACFT WIRELESS INTERCOM SYS (AWIS) A. HARDWARE FY 94	UNKNOWN	C/FP	USSOCOM	JUN 95	SEP 95	150	22.373	YES	NO	
8. AN/PRC-117D A. HARDWARE FY 94	Harris Rochester, NY	C/FP	USSOCOM	MAY 94	NOV 94	135	9.022			
9. UHF/AM RADIO (AN/PRC-113) A. HARDWARE FY 94	Magnavox Ft. Wayne, IN	OPTION	SM-ALC	JUL 94	NOV 94	53	9.981			
11. PBR C3 UPGRADE A. HARDWARE FY 94	Harris Corp Rochester, NY	C/OPTION	SPAWAR	JAN 94	JUL 94	2	65.000			

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
11. PBR C3 UPGRADE FY 95	Harris Corp Rochester, NY	C/OPTION	SPAWAR	JAN 95	JUL 95	2	65,000			
12. NSW TACTICAL RADIO SYSTEM A. HARDWARE										
FY 95	UNKNOWN	C/FP	NAWC-AD	JUL 95	OCT 95	14	45,357	YES	NO	
FY 96	UNKNOWN	C/FP	NAWC-AD	JAN 96	APR 96	18	41,611	YES	NO	
FY 97	UNKNOWN	C/FP	NAWC-AD	JAN 97	APR 97	18	42,278	YES	NO	
13. MBMMR A. HARDWARE										
FY 96	UNKNOWN	C/FP	UNKNOWN	JAN 96	JUL 96	260	26,865	NO		
FY 97	UNKNOWN	C/FP	UNKNOWN	JAN 97	JUL 97	220	24,532	NO		
14. AN/PRC-117C SINCGARS UPGRADE A. HARDWARE										
FY 94	Harris Rochester, NY	SS/FP	NAVSEA	FEB 95	APR 95	277	8,744	YES	NO	
16. INMARSAT A. HARDWARE										
FY 94	Viasat Tech Corp Hauppauge, NY	C/FP	USSOCOM	SEP 94	NOV 94	34	29,912			

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
17. SFBS A. HARDWARE FY 96 FY 97	UNKNOWN UNKNOWN	C/FP C/FP	NAWC-AD NAWC-AD	MAY 96 DEC 97	MAY 97 SEP 97	2 4	2,157,500 2,638,750	NO NO		
18. TASK GP CE VAN UPGRADES A. HARDWARE FY 94 FY 96 FY 97	TRACOR St. Inigoes, MD UNKNOWN UNKNOWN	C/FP C/FP C/FP	NAWC-AD NAWC-AD NAWC-AD	MAY 94 DEC 95 DEC 96	JUN 95 SEP 96 SEP 97	1 2 1	581,000 780,000 652,000	NO NO NO		
19. TASK UNIT C3 VAN A. HARDWARE FY 96 FY 97	TRACOR St. Inigoes, MD TRACOR St. Inigoes, MD	C/FP C/FP	NAWC-AD NAWC-AD	DEC 95 DEC 96	SEP 96 SEP 97	2 4	624,000 743,500	NO NO		
21. NSW FIXED BASE STATION A. HARDWARE FY 94	TRACOR St. Inigoes, MD	OPTION	NESEA	DEC 93	SEP 94	1	190,000			

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING											A. DATE: February 1995	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS								
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL.	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL		
22. TACTICAL SWITCHBOARDS A. HARDWARE FY 94	UNKNOWN	C/FP	USSOCOM	JUN 95	SEP 95	10	52,200					
23. AM-7175 AMPLIFIER A. HARDWARE FY 94	Cincinnati Electric Cincinnati, OH	C/FP	NESEA	APR 94	OCT 94	20	18,000					
D. REMARKS:												

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BUDGET ITEM JUSTIFICATION SHEET		DATE		FEBRUARY 1995					
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS							
QUANTITY		FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
COST (In Millions \$)	27.761		13.523	19.510	15.051	36.749	38.630	72.001	60.292
<p>MISSION AND DESCRIPTION: This budget line consolidates all SOF intelligence requirements under one procurement program. It was created to better group similar SOF assets and respond to Tactical Intelligence and Related Activities (TIARA) reporting requirements. This program provides for various intelligence systems and equipment supporting SOF intelligence requirements. Examples of systems procured are Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES), SOF Intelligence Vehicle (SOF IV), Multi-Mission Advanced Tactical Terminal (MATT), SILENT SHIELD, Integrated Survey Program (ISP), and SOF Signal Intelligence (SIGINT) Manpack System (SSMS). Provides equipment for the Theater Special Operations Commands.</p> <p>USOCCOM has developed an overall strategy to ensure that C4I systems continue to provide SOF with the required capabilities into the 21st century. USOCCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere will allow SOF elements to operate with any force combination in multiple environments. The C4I programs funded in this procurement line are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).</p> <p><u>OPERATIONAL ELEMENT (TEAM)</u></p> <p>1. Multi-Mission Advanced Tactical Terminal (MATT). Program enables combat forces to directly receive near-real-time operational intelligence products and threat information to support mission planning, updates, and execution. The program develops a miniaturized multi-channel airborne qualified receiver/processing system capable of incorporating both national and tactical data, and procures and integrates the receiver suite with aircraft</p>									

P-1 SHOPPING LIST, ITEM NO. 67

UNCLASSIFIED

EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 5 Pages

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS		
<p>1. Multi-Mission Advanced Tactical Terminal (MATT) (Cont'd.)</p> <p>avionics. Procurement and fielding of MATT will address the primary requirement for undetected infiltration and exit from operating areas and over the horizon radars.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures seven systems and aircraft modifications to accommodate MATT on the MH-53J Pave Low helicopter.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures seven systems and aircraft modifications to accommodate MATT on the MH-53J Pave Low helicopter.</p> <p>2. SILENT SHIELD. The SILENT SHIELD is designed to enhance SOF aircrew situational awareness and provide threat warning information. The system consists of two briefcases; one briefcase contains the Communications Surveillance System (CSS), and the other contains the Tactical Data Receiver (TDR). Aircraft installation kits which include hatch mounted/removable antennas, and associated wiring complete the system. Six systems, plus two spares, will be delivered in FY 1995 based on an FY 1993 Congressional plus-up..</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures seven systems.</p> <p>3. Integrated Survey Program (ISP). Program procures commercial/government off-the-shelf equipment for a total of 11 suites of standard survey equipment. Packages will be fielded to each theater and special survey team. Standard equipment will consist of Joint Deployable Intelligence Support System-compatible laptop computers with computer assisted design software, electronic filmless cameras, 8mm video cameras, global positioning system receivers, and laser rangefinders.</p>		

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	FEBRUARY 1995
<p>3. Integrated Survey Program (ISP) (Cont'd.)</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures the first three equipment suites.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures the next three equipment suites.</p> <p>4. SOF SIGINT MANPACK SYSTEM (SSMS). The SSMS is a manpackable, lightweight communications collection and Direction Finding (DF) system that uses two low profile DF antennas to provide simultaneous coverage of the 1-1,400 Mhz frequency range. It also includes a hand-held antenna that provides quadrant DF for use during mobile operations and a single dipole antenna for simple monitoring operations. The system is powered by a variety of 12 volt DC internal batteries, and/or a solar blanket, or an external AC/DC converter. The SSMS will be deployed at the team level. An improved/maritime version is under development.</p> <p><u>ABOVE OPERATIONAL ELEMENT (DEPLOYED)</u></p> <p>5. Special Operations Forces (SOF) Intelligence Vehicle (SOF IV). The SOF IV is a mobile, tactical, all-sources intelligence processing and dissemination system. The SOF IV extends the Special Operations Commands Research, Analysis and Threat Evaluation System (SOCRATES) architecture to the Joint Special Operations Task Force level permitting automated interface to all theater-level intelligence handling systems. SOF IV provides for the receipt, processing, and manipulation of near-real-time intelligence information in order to produce highly tailored, accurate and timely intelligence products to support deployed SOF. The system employs a high mobility multi-purpose wheeled vehicle configured with a rigid wall, standard integrated command post shelter to house computer servers and communications equipment, and a tent extension for the remote operation of analyst workstations. It incorporates DOD Intelligence Information System (DODIIS) and Joint Deployable Intelligence Support System (JDISS) standards and products in accordance with JCS direction.</p>		

P-1 SHOPPING LIST, ITEM NO. 67

UNCLASSIFIED

Page 3 of 5 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS		
<p>6. Theater Special Operations Commands (SOCs). USSOCOM is responsible to ensure that SOCEUR, SOCSOUTH, SOCPAC, SOCLANT, SOCCENT, and SOC-K are supported and provided with intelligence processing and dissemination systems consistent with Command Intelligence Architecture Plans. Intelligence capabilities are annually assessed and acquisition strategies adjusted to accommodate unique intelligence requirements within each Theater.</p> <p>NOTE: MATT and SOCRATES are also planned for this level.</p> <p><u>ABOVE OPERATIONAL ELEMENT (GARRISON)</u></p> <p>7. SOCRATES PROGRAM. The SOCRATES program provides a wide range of mission-directed automated intelligence and imagery support to HQ USSOCOM and components and extension to USSOCOM mission support units, theater Special Operations Commands, and forward-deployed SOF. SOCRATES is comprised of several mainframe and mini computers interconnected with a Sensitive Compartmented Information Local Area Network which allows single workstation access to the databases and provides secure, on-line services to remote sites via SCAMPI (a secure communications distribution system) and the Defense Secure Network (DSNET)-3 and Joint Worldwide Intelligence Communications System (JWICS) gateways. Much of the data is acquired from national intelligence assets/databases and tailored to SOF needs. SOCRATES provides near-real-time intelligence to the SOF community. SOCRATES capabilities include data processing, secure voice/video conferencing, news and message traffic, video mapping, soft copy imagery processing and secondary imagery dissemination. The five regional Unified Command SOF intelligence architectures prescribe SOCRATES capabilities. Without SOCRATES, the requesting, gathering, comparing, analyzing, and disseminating of intelligence data would continue to be a manpower intensive process that is not responsive to SOF mission planning and execution.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures equipment to establish a distributed SOCRATES network architecture in compliance with the nationally directed client-server environment, and procure 15 man-transportable SOCRATES systems.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Continues procurement of equipment to establish a distributed SOCRATES network architecture in compliance with the nationally directed client-server environment, and procure 27 man-transportable SOCRATES systems.</p>		

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	FEBRUARY 1995
MODIFICATION SUMMARY FOR MULTI-MISSION ADVANCED TERMINAL (MATT)		
<u>DESCRIPTION</u>	<u>FY 94</u>	<u>FY 95</u>
Multi-Mission Advanced Tactical Terminal (MATT) Modification to MH-53J	5.863	5.044
		<u>FY 96</u>
		<u>FY 97</u>
		<u>FY 98</u>
		<u>FY 99</u>
		<u>FY 00</u>
		<u>FY 01</u>
	14.300	20.000
	9.000	4.000
	9.200	

P-1 SHOPPING LIST, ITEM NO. 67

UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Line Item Nomenclature SOF INTELLIGENCE SYSTEMS						C. DATE: FEBRUARY 1995						
	Weapon System Cost Elements	Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997					
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost			
1. MATT																	
A. Prime Mission Equipment	A			115,000	2	230		112,000	5	560	128,571	7	900	128,286		7	898
B. Prime Mission Equipment (Other Platforms)	A			114,690	29	3,326											
C. Production Engineering	A					4,774				517			1,144				1,225
D. MH-53J Modification Costs (See P3a)	A					5,863				5,044			9,200				9,000
Subtotal						14,193				6,121			11,244				11,123
2. SILENT SHIELD	A																
A. Prime Mission Equipment											481,000	7	3,367				
3. INTEGRATED SURVEY PROGRAM (ISP)	A																
A. Prime Mission Equipment											298,667	3	896	298,667		3	896
4. SOF SIGINT MANPACK SYSTEM	A																
A. Prime Mission Equipment				20,719	57	1,181											
5. SOF IV																	
A. Prime Mission Equipment	N/A			1,484,000	4	5,936	1,484,000	1	1,484								
B. Production Engineering	N/A					1,160			437								
Subtotal						7,096			1,921								
6. THEATER SOCS	N/A				VAR	2,933			VAR	510							
7. SOCRATES																	
A. Integrated Workstations/Peripherals	N/A			30,636	44	1,348	26,000	121	3,146	18,947	76	1,440	18,333	60		1,100	
B. MTS	N/A						38,000	8	304	45,000	15	675	45,000	27		1,215	
C. JWICS Video Telecom Hardware	N/A				VAR	412											
D. File Server/Network Upgrades	N/A				VAR	598			VAR	1,521				VAR		717	
Subtotal						2,358				4,971						3,032	
LINE ITEM TOTAL						27,761				13,523						15,051	

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MATT										
A. PRIME MISSION EQUIPMENT (MH-53D)										
FY 94	Allied Signal Towson, MD	OPTION	USSOCOM	OCT 93	OCT 94	2	115.000			
FY 95	Allied Signal Towson, MD	OPTION	USSOCOM	OCT 94	OCT 95	5	112.000			
FY 96	Allied Signal Towson, MD	OPTION	USSOCOM	OCT 95	OCT 96	7	128.571	YES	NO	
FY 97	Allied Signal Towson, MD	OPTION	USSOCOM	OCT 96	OCT 97	7	128.286	YES	NO	
B. PRIME MISSION EQUIPMENT (OTHER PLATFORMS)										
FY 94	Allied Signal Towson, MD	OPTION	USSOCOM	OCT 93	OCT 94	29	114.690			
2. SILENT SHIELD										
A. PRIME MISSION EQUIPMENT										
FY 96	E-Systems Greenville, TX	SS/FP	ASC	NOV 95	OCT 96	7	481.000	YES	NO	
3. INTEGRATED SURVEY PROGRAM (ISP)										
A. PRIME MISSION EQUIPMENT										
FY 96	UNKNOWN	OPTION	OST	NOV 95	MAR 96	3	298.667			
FY 97	UNKNOWN	OPTION	OST	NOV 96	OCT 97	3	298.667	NO		

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2										C. P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL			
4. SOF SIGINT MANPACK SYSTEM FY 94	Delfin Systems Santa Clara, CA	C/FP	USSOCOM	AUG 94	JAN 95	57	20.719						
5. SOF IV													
A. PRIME MISSION EQUIPMENT													
FY 94	UNKNOWN	C/FP	USSOCOM	JAN 95	NOV 95	4	1,484,000						
FY 95	UNKNOWN	C/FP	USSOCOM	JAN 95	AUG 96	1	1,484,000						
7. SOCRATES													
A. INTEGRATED WORKSTATIONS/PERIPHERALS													
FY 94	ITC Alexandria, VA	SS/FP	USSOCOM	OCT 93	DEC 93	44	30.636						
FY 95	ITC Alexandria, VA	OPTION	USSOCOM	OCT 94	NOV 94	121	26.000						
FY 96	UNKNOWN	C/FP	USSOCOM	OCT 95	DEC 95	76	18.947	YES	NO				
FY 97	UNKNOWN	C/FP	USSOCOM	OCT 96	DEC 96	60	18.333	YES	NO				
B. MTS													
FY 95	UNKNOWN	OPTION	USSOCOM	FEB 95	MAY 96	8	38.000	YES	NO				
FY 96	UNKNOWN	OPTION	USSOCOM	NOV 95	FEB 96	15	45.000	YES	NO				
FY 97	UNKNOWN	OPTION	USSOCOM	NOV 96	FEB 97	27	45.000	YES	NO				
D. REMARKS:													

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DATE: FEBRUARY 1995

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT)

MODELS OF SYSTEMS AFFECTED: MH-53J

DESCRIPTION/JUSTIFICATION:

This effort integrates the MATT onto the existing Military-Standard 1553 data bus to provide electronic order of battle information to the crew. The integration also adds a digital map system and displays. The program modifies existing computers, controls, and display systems and replaces the projected map and data transfer systems. The system architecture is designed to allow the integration of other systems in the future, identified as a result of the Quiet Knight study effort.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

SOW: Jul 92; CCB: May 92; CMRB: Jul 92. (Aircraft Breakout: 0 ANG; 0 AFRES; 41 Active)

FINANCIAL PLAN: (\$ in millions)

PYs	FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E	2.9																2.9
PROCUREMENT																	

Installation Kits	2*																
Installation Kit Nonrecurring Equipment		0.6															19.5
Equipment Nonrecurring																	7.1
Engineering Change Orders		4.5															7.0
Data																	4.8
Support Equipment		6.4															9.3
Training Equipment		1.0															2.8
Interim Contractor Support		0.3															0.3
																	1.0
Installation of Hardware																	

PYs	2	2.5															
FY95			5	3.5													2 2.5
FY96					7	4.0											5 3.5
FY97							7	4.0									7 4.0
FY98									11	4.5							7 4.0
FY99											9	4.0					11 4.5
FY00													9	4.0			9 4.0
FY01																	
To Complete																	

Total Installation Cost

* Two installation kits are included in NRE.

Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE:

DELIVERY DATE:

P-1 SHOPPING LIST, ITEM NO. 67

CONTRACTOR

Current Year: 1/95

Current Year: 2/95

ADMINISTRATIVE LEADTIME: 6 MONTHS

Budget Year 1: 1/96

Budget Year 1: 2/96

PRODUCTION LEADTIME: 3 MONTHS

Budget Year 2: 1/97

Budget Year 2: 2/97

74.3

Page 1 of 3
EXHIBIT P-3A

UNCLASSIFIED

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MODIFICATION OF WEAPON SYSTEMS
MODIFICATION TITLE: MH-53J MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT)
INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY								2								
FY 95									1	1	1	2				
FY 96																
FY 97													2	2	2	1
FY 98																
FY 99																
FY 2000																
FY 2001																

QUARTERS OUTPUT	FY 1994				FY 1995				FY 1996				FY 1997			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PY								2								
FY 95									1	1	1	2				
FY 96																
FY 97													2	2	2	1
FY 98																
FY 99																
FY 2000																
FY 2001																

P-1 SHOPPING LIST, ITEM NO. 67

Page 2 of 3
Exhibit P-3A

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-53J MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT)

INSTALLATION SCHEDULE:

QUARTERS INPUT	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97	2	2	2	1
FY 98				
FY 99				
FY 2000				
FY 2001				

FY 1999				
1	2	3	4	
3	3	3	2	

FY 2000					
	1	2	3	4	
	3	2	2	2	

[illegible]

TO COMP							
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TOT.	
PGM	
2	
5	
7	
7	
11	
9	

	FY 1998			
	1	2	3	4
PY				
FY 95				
FY 96				
FY 97	2	2	2	1
FY 98				
FY 99				
FY 2000				
FY 2001				

[illegible][illegible][illegible]

TO COMP							
------------	--	--	--	--	--	--	--

TOT	
PGM	
1	
5	
7	
7	
11	
9	

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BUDGET ITEM JUSTIFICATION SHEET		DATE							
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT							
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)	3.188	8.470	9.972	10.676	8.397	12.330	4.450	7.464	
MISSION AND DESCRIPTION: Provides small arms and weapons in support of SOF. These forces include Rangers, special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons and SEAL delivery vehicle teams. A variety of SOF small arms and weapons are procured through this budget line, including: SOF foreign weapons; Ranger Anti-Armor/Anti-Personnel Weapons System; Navy small arms and weapons and support equipment; M4 Carbine; M4 SOF modifications and support equipment; and SOF Offensive Handgun.									
1. SOF Weapons Systems Ordnance and Equipment. Provides SEAL units a variety of items and engineering support for combat and training exercises. Provides minor equipment (special tools such as wrenches, handling gear, and waterproof specialty items); commercially available MK-186 MOD 0 remote firing kits; product improvements to the MK-31 MOD 0 standoff weapon; the Limpet Assembly Module (LAM) MK-5 and Practice Limpet Assembly Module (PLAM) MK-6; the MK-31 heavy weight torpedo for the MK-32 MOD 0 special warfare assemblage and its support equipment; MK-32 MOD I torpedoes; and ECPs for LAM MK-5 / PLAM MK-6.									
2. SOF Weapons and Support Equipment. Provides a variety of support equipment, replacement weapons, mobile repair capability, standoff weapons and sniper rifles. Also provides support equipment such as gun mounts, stands, and installation kits for boat backfit or modification; purpose code replacement and/or follow-on procurement of unique weapons to maintain inventory; mobile repair vans for spare parts and supplies for weapons maintenance; anti-material weapons for extended ranges; and sniper rifles needed for standoff point target destruction.									
FY 1996 PROGRAM JUSTIFICATION: Procures 125 sniper rifles, 110 mounts and equipment.									
FY 1997 PROGRAM JUSTIFICATION: Procures 125 sniper rifles, 90 mounts and equipment.									

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT		
<p>3. SOF Offensive Handgun System. Program consists of a .45 caliber handgun, noise suppressor, and laser aiming module. The system improves upon currently available handguns by providing increased reliability and offensive incapacitation capability.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures 3,450 SOF offensive handguns, 703 laser aiming modules, 1,350 suppressors, 27,600 magazines and 5,175 holsters and magazine pouches.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures 647 laser aiming modules, completing the production program.</p> <p>4. SOF Weapons Mods and Support Equipment. Provides weapons and associated equipment with a variety of enhanced capabilities including modification of existing weapons to accommodate items such as night vision devices and aiming modules. One such modification is the M4 Carbine SOF Mod which gives the basic M4 Carbine various accessories to adapt it for missions across the operational spectrum. Provides for kits which consist of day scopes, night scopes, integrated day/night scopes, active aiming laser module, optional grenade launchers and shotguns, lightweight grips, and support equipment such as spotting scopes.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures 433 sets of M4 carbine modification kits.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures 1,002 sets of M4 carbine modification kits.</p> <p>5. Pump Jet. The pump jet program replaces the propeller lower drive unit of SOF outboard motors with a pump jet. This is a safety upgrade which provides an additional operational capability to breach seaweed beds and shoreline reeds.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures upgrade kits for small SOF craft.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures upgrade kits for small SOF craft.</p>		

P-1 SHOPPING LIST, ITEM NO. 68

UNCLASSIFIED

Page 2 of 3 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT	FEBRUARY 1995
<p>6. Body Armor. Program is sponsored by the Joint Ballistic/Force Protection Program. This project was initiated by Air Force Special Operations Command and Army Special Operations Command to provide lightweight armor for special operations forces personnel and equipment. The weight of current protective equipment subtracts from the useful compact load of the soldier and negatively affects his ability to move safely in the performance of his mission. Long term focus is to protect the soldier and his weapon systems from all environmental, nuclear, biological, chemical, and ballistic hazards.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures critically needed new lightweight body armor.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures critically needed new lightweight body armor.</p>		

P-1 SHOPPING LIST, ITEM NO. 68

UNCLASSIFIED

Page 3 of 3 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement		A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2			B. Line Item Nomenclature SOF SMALL ARMS & SUPPORT EQUIPMENT								C. DATE: FEBRUARY 1995	
Weapon System Cost Elements		Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997		
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. SOF WEAPONS & SUPPORT EQUIPMENT														
A. Minor SWS Equipment		A			10			13						
B. Remote Firing Device		A	37,500	8	300	45,000	8	360						
C. Production Engineering		N/A			100									
D. Product Upgrades		N/A			185			160						
E. LAM MK 5 ECP's		A			400			500						
Subtotal					995			1,033						
2. SOF WEAPONS & SUPPORT EQUIP														
A. Support Equipment		A			156			116			77			28
B. M3 Carl Gustaf & Acc		A	16,750	48	804	16,063	48	771						
C. Mobile Repair Van		A			82			86						
D. .300 Winmag Sniper Rifles		A	2,778	9	25	2,674	98	262						
E. .50 Cal Sniper Rifles		A			105				3,120	125	390	3,184	125	398
F. Mounts		A							2,500	110	275	2,556	90	230
G. Production Engineering		N/A									101			98
Subtotal					1,172			1,235			843			754
3. OFFENSIVE HANDGUN SYSTEM														
A. Offensive Handgun (All-Up Weapon)		A				1,194	1,950	2,328	0,500	3,450	1,725			
B. Non-recurring Cost		N/A						2,338						
C. Production Engineering		N/A						343			292			
D. Laser									0,716	703	503	1,020	647	660
E. Suppressor									0,575	1,350	776			
F. Magazines									0,038	27,600	1,053			
G. Holsters & Magazine Pouches									0,085	5,175	441			
Subtotal								5,009			4,790			660
4. SOF WPNS MODS & SPT EQUIP														
A. M4 Carbine - Modified		A	0,065	7,000	455									

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UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement		A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Line Item Nomenclature SOF SMALL ARMS & SUPPORT EQUIPMENT						C. DATE: FEBRUARY 1995		
Weapon System Cost Elements		Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997		
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
4. SOF WPNS MODS & SPT EQUIP (CONT'D)														
B. M203 Heat Shield		A	0.050	600	30									
C. M4 Carbine for Grenade Launcher		A	0.555	542	301									
D. Repair Kits		A	0.466	73	34									
E. Production Support		N/A			201									
F. M4 Carbine SOFMOD Kits		A				8.837	135	1,193	8.820	433	3,819	8.794	1,002	8,812
Subtotal					1,021			1,193			3,819			8,812
5. PUMP JET														
A. Hardware														
Subtotal										VAR	300		VAR	150
											300			150
6. BODY ARMOR														
A. Hardware										VAR	220		VAR	300
Subtotal											220			300

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2										C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUPPORT EQUIPMENT	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
1. SOF WPN SYSTEMS ORDNANCE/EQUIP											
A. REMOTE FIRING DEVICE											
FY 94	NSWC Crane Div	MIPR	NAVSEA	OCT 93	MAY 94	8	37,500				
FY 95	NSWC Crane Div	MIPR	NAVSEA	OCT 94	MAY 95	8	45,000	YES	NO		
2. SOF WEAPONS AND SUPPORT EQUIP											
B, M3 Carl Gustaf & Acc											
FY 94	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	APR 94	DEC 94	48	16,750				
FY 95	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	MAR 95	SEP 95	48	16,063	YES	NO		
D. .300 Winmag Sniper Rifles											
FY 94	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	FEB 94	SEP 94	9	2,778				
FY 95	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	FEB 95	SEP 95	98	2,674	YES	NO		
E. .50 Cal Sniper Rifles											
FY 96	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	MAR 96	SEP 96	125	3,120	NO			
FY 97	NSWC Crane Div Crane, IN	MIPR	NSWCD Crane	MAR 97	SEP 97	125	3,184	NO			

P-1 SHOPPING LIST, ITEM NO. 68

Page 1 of 3 Pages
EXHIBIT P-5A Procurement History and Planning

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUPPORT EQUIPMENT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
F. Mounts										
FY 96	NSWC Crane Div. Crane, IN	MIPR	NSWCD Crane	MAR 96	SEP 96	110	2.500	YES	NO	
FY 97	NSWC Crane Div. Crane, IN	MIPR	NSWCD Crane	MAR 97	SEP 97	90	2.556	YES	NO	
3. SOF OFFENSIVE HANDGUN SYSTEM										
A. Offensive Handgun (All-Up Weapon)										
FY 95	Heckler & Koch Sterling, VA	SS/FP	NSWD Crane	MAY 95	DEC 95	1,950	1.194	YES		
FY 96	Heckler & Koch Sterling, VA	SS/FP	NSWD Crane	MAY 96	MAY 97	3,450	.500	YES		
D. Laser Aiming Module										
FY 96	UNKNOWN	C/FP	NSWC Crane	JAN 96	APR 96	703	.716	NO		
FY 97	UNKNOWN	C/FP	NSWC Crane	JAN 97	APR 97	647	1.020	NO		
E. Suppressor										
FY 96	Knights Armament Vero Beach, FL	SS/FP	NSWC Crane	JAN 96	APR 96	1,350	.575	NO		
F. Magazines										
FY 96	UNKNOWN	C/FFP	NSWC Crane	JAN 96	MAY 96	27,600	0.038	YES		
G. Holsters & Magazine Pouches										
FY 96	UNKNOWN	C/FFP	NSWC Crane	JAN 96	MAY 96	5,175	0.085	NO		

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUPPORT EQUIPMENT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
4. SOF WPNS MODS & SPT EQUIP										
A. M4 CARBINE - MODIFIED FY 94	Colt Mfg. Hartford, CT.	SS/FP	HQS AMCCOM	JAN 95	AUG 95	7,000	0.065	NO		
B. M203 HEAT SHIELD FY 94	Colt Mfg. Hartford, CT.	FP	HQS AMCCOM	JAN 94	JUN 94	600	0.050			
C. M4 CARBINE FOR GRENADE LAUNCHER FY 94	Colt Mfg. Hartford, CT.	FP	HQS AMCCOM	JAN 94	JUN 94	542	0.555			
D. REPAIR KITS FY 94	Colt Mfg. Hartford, CT.	FP	HQS AMCCOM	JAN 94	JUN 94	73	0.466			
F. M4 CARBINE SOFMOD KITS										
FY 95	UNKNOWN	C/FP	NSWC Crane	MAR 95	SEP 95	135	8.837	NO		
FY 96	UNKNOWN	C/FP	NSWC Crane	MAR 96	SEP 96	433	8.820	NO		
FY 97	UNKNOWN	C/FP	NSWC Crane	MAR 97	SEP 97	1,002	8.794	NO		
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET		DATE								FEBRUARY 1995							
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT															
		FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01								
QUANTITY																	
COST (In Millions \$)	18.893		14.882	11.776	11.211	16.563	21.093	19.253					31.763				

Name Change: Line item formerly called "Special Warfare Equipment".

MISSION AND DESCRIPTION: This program provides necessary equipment to enable the Naval Special Warfare Command to meet specific requirements for the execution of Special Operations and fleet support mission as the Naval Component of the U.S. Special Operations Command. These elite forces are called upon to perform difficult life threatening missions that require modern and safe equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine countermeasure equipment, are required for the Naval Special Warfare component to execute their unique, special operations missions.

1. Combatant Craft Subsystems. The Navy Special Warfare (NSW) Rigid Inflatable Boat (RIB) program provides a medium range surface mobility platform for SOF insertion and extraction and replaces the Special Warfare Craft (Light), or SEAFOX, which has ended its service life. The program supports the procurement of RIBs, trailers, deployment packages, on-board spares, and provides engineering support. Funds also provide material and labor for alterations to craft in inventory.

FY 1996 PROGRAM JUSTIFICATION: Funds procurement of 24 RIBs with trailers and associated logistics support. Alterations/Materials/Installation will provide material and labor for alterations to craft in the NSW inventory.

FY 1997 PROGRAM JUSTIFICATION: Funds procurement of 20 RIBs with trailers and associated logistics support. Funds provided for Alterations/Materials/Installation will support alterations to craft in the NSW inventory.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT		
<p>2. Undersea Subsystems. Program procures low magnetic and acoustic equipment to support combat swimmers in the mine countermeasure environment and initiates procurement of Low Magnetic Combat Rubber Raiding Craft. It completes procurement of the MK-24 Full Face Mask Drinking Tube Upgrade Kits. The program also procures the Diver Active Thermal Protection System (which allows combat swimmers to conduct missions in cold water environments) and the Miniaturized Underwater Global Positioning System Receiver. The program funds Dry Deck Shelter field changes for system improvements to enhance mission success and diver/submarine safety.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures Low Magnetic Combat Rubber Raiding Craft signature reduction kits for the Mine Countermeasure program to support the combat swimmer in the Naval Special Warfare Mine Countermeasure operational environment.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures additional CRRC signature reduction kits and the MK-24 Drinking Tube Upgrade Kits.</p> <p>3. Sustainment. Program provide sustainment funds for Naval Special Warfare Command, Naval Special Warfare Groups and Units, and Special Boat Squadrons. Program provides for Civil Engineering Support Equipment and unit/boat outfitting to maintain operational capability to acquire new state-of-the-art equipment as it becomes available.</p>		

P-1 SHOPPING LIST, ITEM NO. 69

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement		A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Line Item Nomenclature SOF MARITIME EQUIPMENT				C. DATE: FEBRUARY 1995				
Weapon System Cost Elements		Ident. Code	FY 1994			FY 1995			FY 1996			FY 1997		
			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
I. COMBATANT CRAFT SUBSYSTEMS														
A. NSW RIB														
(1) Boats and Trailers	A		346,000	24	8,304									
(2) Mgt/Engr	N/A				195			650			302,833	24	7,268	311,800
(3) Deployment Packages	A		112,000	12	1,344						112,000	12	1,344	301
(4) Equipment Shelters	A		11,000	24	264						11,000	24	264	1,120
(5) Initial and On-board Spares	A		17,000	24	408						15,583	24	374	220
(6) Electronics	A		24,000	24	576						24,000	24	576	240
B. ALT/MAT/INSTALL	A			VAR	405			462				VAR	500	480
Subtotal					11,496			1,112					10,627	525
														8,921
2. UNDERSEA SUBSYSTEMS														
A. Diver Active Thermal Protection System	A													
B. Mini Underwater Global Positioning System Receiver (MUGR)	B					375,778	18	6,764						
							VAR	1,208						
C. Naval Special Warfare Mine Countermeasures	B													
D. Dry Deck Shelter	N/A			VAR	534			669				VAR	570	1,659
E. MK 24 Full Face Mask	B											VAR	579	601
Subtotal					534									
								8,641					1,149	30
														2,290
3. SUSTAINMENT														
A. NSW Groups & NSW Units - West	N/A			VAR	1,805									
B. Nsw Groups & NSW Units - East	N/A			VAR	1,509			2,349						
C. NAVSPECWARCEN	N/A			VAR	2,399			1,492						
D. LAR V	A			VAR	1,150			1,288						
Subtotal					6,863									
								5,129						

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2							C. P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. COMBATANT CRAFT SUBSYSTEMS										
A. NSW RIB										
(1) Boats and Trailers										
FY 94	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	JUN 96	24	346.000	NO		
FY 96	UNKNOWN	C/OPTION	NAVSEASYSKOM	JUN 96	JUL 97	24	302.883	NO		
FY 97	UNKNOWN	C/OPTION	NAVSEASYSKOM	NOV 96	JAN 98	20	311.800	NO		
(3) Deployment Packages										
FY 94	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	SEP 96	12	112.000	NO		
FY 96	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	SEP 97	12	112.000	NO		
FY 97	UNKNOWN	C/OPTION	NAVSEASYSKOM	NOV 96	OCT 98	10	112.000	NO		
(4) Equipment Shelters										
FY 94	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	SEP 96	24	11.000	NO		
FY 96	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	SEP 97	24	11.000	NO		
FY 97	UNKNOWN	C/OPTION	NAVSEASYSKOM	NOV 96	OCT 98	20	11.000	NO		
(5) Initial and On-Board Spares										
FY 94	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	SEP 96	24	17.000	NO		
FY 96	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	SEP 97	24	15.583	NO		
FY 97	UNKNOWN	C/OPTION	NAVSEASYSKOM	NOV 96	OCT 98	20	12.000	NO		
(6) Electronics										
FY 94	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	SEP 96	24	24.000	NO		
FY 96	UNKNOWN	C/FP	NAVSEASYSKOM	DEC 95	SEP 97	24	24.000	NO		

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING										A. DATE: February 1995	
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2										C. P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL	
(6) Electronics (Cont'd) FY 97	UNKNOWN	C/OPTION	NAVSEASYSKOM	NOV 96	OCT 98	20	24.000	NO			
2. UNDERSEA SUBSYSTEMS A. Diver Active Thermal Protection System FY 95	UNKNOWN	C/FP	NAVSEASYSKOM	SEP 95	APR 96	18	375.778	YES	NO		
D. REMARKS:											

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BUDGET ITEM JUSTIFICATION SHEET						DATE		FEBRUARY 1995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2			P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT						
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)	2.739	3.894	.809	.824	.840	.856	5.360	5.386	
<p>MISSION AND DESCRIPTION: The Miscellaneous Equipment budget line provides for various types of equipment required to support Special Operations Forces (SOF). The line consists of relatively low cost procurement (total item cost normally less than \$10 million) that do not reasonably fit in other USSOCOM procurement line item categories. Examples are equipment to support headquarters and subordinate command operations, joint stock and collateral equipage associated with military construction, and active noise reduction helmet harnesses.</p> <p>1. USSOCOM Headquarters Management. Base Procured Investment Equipment (BPIE) for USSOCOM and the Deployment Cell (D-Cell Unit). The D-Cell Unit provides base level support in an austere field environment for the headquarters or components during exercises and contingencies.</p> <p>2. Joint Operational Stocks (JOS). The JOS are centrally managed, maintained and stored repositories of immediately available Special Operations-peculiar low density supplies and equipment. JOS are designed to provide an enhanced operational mission capability to deployed SOF units in support of world-wide contingency operations and other direct missions. The equipment is located at the SOF Support Activity located at Lexington-Bluegrass Army Depot.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Funds offset critical supply requirements by maintaining off-the-shelf leading edge mission capable equipment on an on-call basis.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Funds offset critical supply requirements by maintaining off-the-shelf leading edge mission capable equipment on an on-call basis.</p>									

P-1 SHOPPING LIST, ITEM NO. 71

UNCLASSIFIED

Page 1 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT		
<p>3. Special Operations/Combat Service Support (SO CBT SPT/CSS). Funding provides communications and logistics support of units across the spectrum of conflict.</p> <p>4. SOF Medical Training Facilities Equipment. Procures needed equipment for the John F. Kennedy Special Warfare Center Medical Facility. Included are X-ray, pharmacy, library, classroom, audio visual, teletraining systems and other required equipment.</p> <p>5. Active Noise Reduction. Active Noise Reduction will be built into the headsets and helmets used by the crew members and use electronic noise canceling to reduce the noise level heard by the crew. The system detects the ambient noise signal, reverses the phase and amplitude, and reinserts the signal into the earcup to cancel high amplitude noise levels.</p> <p>6. Security Detection Devices. Procures an intrusive detection system for Naval Special Warfare Group Two, Little Creek, VA. This system provides a complete interconnected security protection capability for Naval Special Warfare Group Two and its subordinate commands. Program also funds a visitor control and badge issue system for NAVSPECWARCOM.</p> <p>7. Special Tactics Squadron Vehicles (STSV). Procures unmarked commercial type vehicles presenting civilian appearance. Program includes the following body styles: Bronco 4X4, 3 pax P/U, 6 pax P/U 4X4, 15 pax van, and standard pick-ups, cargo vans and Broncos. These vehicles are used to support training, exercises, and contingencies, and are required for sensitive activities in which military vehicles would not be useable.</p>		

P-1 SHOPPING LIST, ITEM NO. 71

UNCLASSIFIED

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1. B. NSWG-NSWU West. Was programmed in SOF Maritime Equipment for \$2.037M in FY 1995).
1. C. NSWG-NSWU East. Was programmed in SOF Maritime Equipment for \$1.454M in FY 1995).
3. A. Funds for NSWG-NSWU previously programmed in various other P-1 lines such as SOF Maritime Equipment NSWG-NSWU East/West.

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
5. ACTIVE NOISE REDUCTION A. HARDWARE FY 95	BOSE Frammingham, MA	SS/FP	HSC/YAS	AUG 95	MAY 96	1,124	1.248	NO		
6. SECURITY DETECTION DEVICES A. HARDWARE FY 95	UNKNOWN	C/FP	CNSWC	JAN 95	FEB 95	1	280.000	YES	NO	
7. SPECIAL TACTICS SQD'N VEHICLES A. HARDWARE FY 94	Reed-Lallier Fayetteville, NC	C/FP	AFMC	MAR 94	JUL 94	4	35.000			
FY 95	UNKNOWN	C/FP	AFMC	JUN 95	AUG 95	4	32.750	YES	NO	
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET					DATE		FEBRUARY 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM							
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)	10.791	2.937	0.595	0.100	0.597	1.194	4.777	5.175	
MISSION AND DESCRIPTION: SOFPARS is an integrated family of mission planning systems, supported by intelligence databases and imagery that will be used by planners within the SOF command structure world-wide to plan and preview SOF missions. Major areas requiring automated support include data access and management, information fusion, image exploitation, mission planning and mission preview. SOFPARS develops and procures aviation mission planners and consist of unit/force level systems (transportable) capable of utilizing data transfer modules for avionics initialization and element systems (portable). SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF mission planning process.									
FY 1996 PROGRAM JUSTIFICATION: Procures Common Mapping Production System hardware and upgrades to existing hardware configurations.									
FY 1997 PROGRAM JUSTIFICATION: Procures upgrades to existing hardware configurations.									

P-1 SHOPPING LIST, ITEM NO. 72

UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM (SOPARS)			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
A. DESKTOP DEPLOYABLE SYSTEMS FY 94	Lockheed Sanders Nashua, NH.	C/FP	ESC/YV	JUL 94	JUN 95	60	84.717			
B. PORTABLE SYSTEMS FY 94	Lockheed Sanders Nashua, NH.	C/CPFF	ESC/YV	JUL 94	FEB 95	72	35.972			
H. BASE STATIONS RETROFIT FY 95	UNKNOWN	C/CPFF	ESC/YV	APR 95	JUL 95	18	39.556	YES	NO	
FY 94	Lockheed Sanders Nashua, NH.	C/CPFF	ESC/YV	MAR 95	MAY 95	14	63.786			
D. REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET										DATE	FEBRUARY 1995
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE OPERATIONAL FORCE ENHANCEMENTS									
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01			
QUANTITY											
COST (In Millions \$)	95.593	86.152	77.656	79.409	134.463	101.255	119.089	116.848			
MISSION AND DESCRIPTION: Provides funding for Special Classified SOF projects as directed by the Secretary of Defense and/or the Joint Staff.											
FY 1996 PROGRAM JUSTIFICATION: Specific justification is provided under separate cover.											
FY 1997 PROGRAM JUSTIFICATION: Specific justification is provided under separate cover.											

P-1 SHOPPING LIST, ITEM NO. 73

UNCLASSIFIED

Page 1 of 1 Page
EXHIBIT P-40 Budget Item Justification Sheet

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BUDGET ITEM JUSTIFICATION SHEET						DATE		FEBRUARY 1995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT							
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY									
COST (In Millions \$)	6.471	7.823	28.106	5.768	2.613	4.951	8.247	10.385	
<p>MISSION AND DESCRIPTION: This program provides for the development and acquisition of Psychological Operations (PSYOP) equipment. The intent of PSYOP is to persuade selected target audiences to support U.S. national interests and counter misinformation directed at U.S. forces. New and emerging national and regional power groupings and religious fanaticism have increased threats of terrorism, insurgency, instability, and subversion. Successful PSYOP operations will result in reduced casualties and actions favorable to the supported host nation and U.S. national objectives. Due to increased command priorities and mission requirements for PSYOP, additional FY 1996 TOA has been allocated to this critical mission area. Examples of systems procured are the Special Operations Media System B (SOMS B), the Deployable Print Production Center (DPPC), Leaflet Delivery Systems (LDS), and the Family of Loudspeakers (FOL).</p> <p>1. Special Operations Media System B (SOMS B). A rapid deployable, C-130 drive on/drive off tactical radio/TV transmission, reception and electronic news gathering system. This system replaces 1950 - 1960s technology and enhances the capability to conduct tactical level PSYOP dissemination in support of regional unified commanders. Reduces requirement for airlift.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures four systems to complete SOMS B production.</p> <p>2. Deployable Print Production Center (DPPC). A rapid deployable, state-of-the-art computerized digital system capable of creating, editing and producing printed PSYOP products in forward locations and remote sites. Provides in-theater capability to rapidly affect PSYOP campaign forward located production of materials for tactical targets.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Procures two of four planned DPPCs.</p>									

P-1 SHOPPING LIST, ITEM NO. 74

UNCLASSIFIED

Page 1 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		FEBRUARY 1995
P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT		
<p>3. Family of Loudspeakers (FOL). The FOL will consist of modular amplifiers and speakers that can be interconnected to form sets of loudspeakers that will provide high quality recorded audio, live dissemination, and acoustic deception capability. FOL will be transported, operated, and mounted in ground vehicles, watercraft, rotary wing aircraft, and dismounted for ground operations (TRIPOD/MANPACK). FOL will replace current AN/UIH-6 (250 watt) Public Address System; AN/UIH-6A (450 watt); AEM-1492D (900 watt); and LSS-40 (AN/PIH-1) portable loudspeakers. FOL will permit the conduct of loudspeaker missions over larger areas than present equipment capability and will provide a greater stand-off distance for U. S. Forces/assets.</p> <p>FY 1996 PROGRAM JUSTIFICATION: Procures initial Manpack, vehicle/watercraft mounted, and aircraft mounted systems.</p> <p>FY 1997 PROGRAM JUSTIFICATION: Completes procurement of Manpack, vehicle/watercraft mounted, and aircraft mounted systems.</p> <p>4. Psychological Operations Automated System (POAS). The Psychological Operations Automated System (POAS) is to provide automated capability to support state-of-the-art planning, implementation, and evaluation of U. S. Psychological Operations (PSYOP) in support of national objectives. POAS is an analytical tool required in the development of PSYOP studies and assessments.</p>		

P-1 SHOPPING LIST, ITEM NO. 74

UNCLASSIFIED

Page 2 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement				A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2				B. Line Item Nomenclature PSYOP EQUIPMENT				C. DATE: FEBRUARY 1995				
Weapon System Cost Elements				FY 1994		FY 1995		FY 1996		FY 1997						
				Ident. Code	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost			
1. SPECIAL OPERATIONS MEDIA SYS - B				A	4,443.000	1	4,443	5,231.000	1	5,231	5,197.000	4	20,788			
A. Hardware																
B. Documentation/Initial Spares																
Subtotal							4,443			1,354						
										6,585			20,788			
2. Deployable Print Prod. Center (DPPC)				A												
A. Hardware																
Subtotal												247,000	2	494		494
3. Family of Loudspeakers (FOL)				A												
A. Hardware							VAR	103					VAR	7,318		5,274
Subtotal								103						7,318		5,274
4. Psychological Opns. Auto. Sys. (POAS)				A												
A. Hardware, Software, Engr. Support							VAR	1,925		VAR	1,238					
Subtotal								1,925			1,238					

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: February 1995			
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2							C. P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SPECIAL OPERATIONS MEDIA SYSTEM - B										
A. Hardware										
FY 94	SOFSA Lexington, KY	MIPR	USSOCOM	MAY 94	FEB 96	1	4,443,000			
FY 95	UNKNOWN	C/FP	USSOCOM	FEB 95	JAN 97	1	5,231,000	YES	NO	
FY 96	UNKNOWN	C/FP	USSOCOM	FEB 96	FEB 97	4	5,197,000	YES	NO	
2. Deployable Print Production Center (DPPC)										
A. Hardware										
FY 97	UNKNOWN	C/FP	USSOCOM	OCT 96	APR 97	2	247,000	NO		
D. REMARKS:										

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